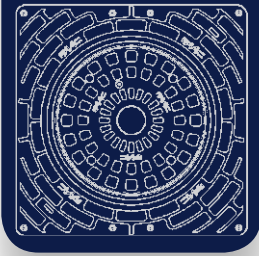




# J SERIES BOLLARDS

**FAAC**  
*Simply automatic.*



# Bollards Series



**FAAC bollards range.**

**Endless solutions, performance beyond the standard**

**Innovative solutions to meet  
any application need**

**FAAC Hydraulic Technology,  
over 40 years of worldwide excellence**

**High quality components  
to ensure exceptional performance**

**«Design for Assembly» approach; products  
designed to simplify installation and  
maintenance**

**The strength of the FAAC Group;  
worldwide presence to support  
your project**

**J Series**



Solutions for vehicle traffic control in residential, commercial, industrial and urban areas with limited traffic and for perimeter protection security applications.



### **J200 Series** for residential areas

**(HA) Automatic**

To manage vehicle access to residential areas

**(F) Fixed**

To complete installations with other retractable models for access control



### **J275 Series** for commercial, industrial and urban restricted access areas

**(HA) Automatic**

To manage vehicular access to commercial, industrial and urban restricted access areas

**(SA) Semi-Automatic**

To regulate vehicle access to town centers, areas that are difficult to wire or occasionally open to traffic

**(F) Fixed**

To complete installations with other retractable models for access control



### **J355 M30-P1 Series** certified perimeter security

**(HA) Automatic**

To define, protect and manage vehicle access to sensitive areas (embassies, military areas, etc.) and, in general, to sites with special security requirements





# Bollards for residential areas J200

## 1. J200HA AUTOMATIC RETRACTABLE TRAFFIC BOLLARD

The Automatic retractable traffic bollard FAAC J200HA is particularly suitable to manage vehicle traffic in residential areas, ensuring an intelligent control, while maintaining a pleasant aesthetic appearance.



J200

500

J200

## 2. J200F FIXED TRAFFIC BOLLARD

The Fixed traffic bollard FAAC J200 does not require invasive installation work, nor electrical wiring. It is therefore ideal for permanent installations to define residential pedestrian areas, or for mixed installations which also feature other automatic or semi-automatic bollards.





# J200HA AUTOMATIC retractable traffic bollard

1. Easy to transport, store and install, thanks to the self-supporting structure - pit not required - and to its limited weight
2. A streamlined product, configurable by selecting the desired installation accessories
3. Simplified maintenance (just one person is needed)
4. Fast and silent movement

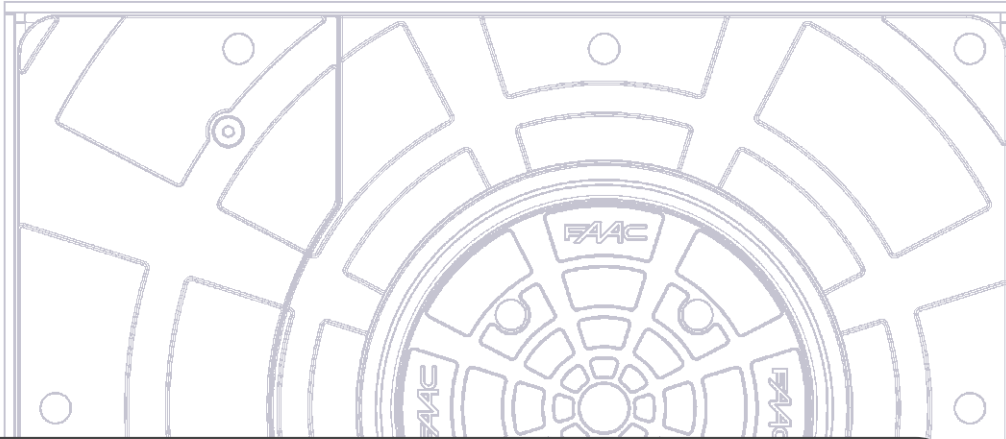


## DIMENSIONS AND TECHNICAL SPECIFICATIONS

Drive	Hydraulic Actuator
Cylinder stroke	23.6 in (600 mm)
Cylinder diameter	7.9 in (200 mm)
Cylinder material standard version	Steel Fe 360 .24" (6 mm) thickness
Standard cylinder surface treatment	Cataphoresis and polyester powder paint, dark grey metallised RAL 7021
Cylinder material special stainless steel version	Satin-finished AISI 316 .24 in (6 mm) thick
Cylinder top part (head)	Aluminium RAL 9006
Rise time	About 5 sec
Descent time	About 7 sec
Hydraulic pump power supply	230 Vac +6% - 10%; 50/60 Hz
Power consumption	230 W
Protection rating	IP 67
Recommended Use	Use in Residential areas
Standard refracting strip	Height 1 in (25 mm)
Manual lowering operation	Possible with hydraulic circuit mechanical release
Total weight	198 lbs (90 kg)
Operating temperature	5 °F / 131 °F (-15 °C / +55 °C)
Operating temperature with heater (opt.)	-13 °F / 131 °F (-25 °C / +55 °C)
Dimensions	16 x 20 x 32 in (400 x 500 x 800 mm)
Connection cable	Standard 16+1 conductors, minimum AWG 16 (not supplied)
Maximum length	164 ft (50 m)

J200HA

500



### STANDARD VERSIONS IN PAINTED STEEL

Models	Height	Finish	Part No.
J200 HA 600	23.6 in (600 mm)	Painted steel	116500

**The product comes with:**

- .24 in (6 mm) thick steel cylinder with cathoporesis treatment and painted
- powder coated dark grey metallised RAL 7021
- hydraulic lock in the up position (in the event of a power outage) with special release key
- support structure to be cemented with cathoporesis treatment (pits not required)


### STANDARD VERSIONS IN AISI 316 STAINLESS STEEL

Models	Height	Finish	Part No.
J200 HA 600	23.6 in (600 mm)	satin-finished AISI 316 stainless steel	116505





**The product comes with:**

- .24 in (6 mm) thick stainless steel cylinder with satin-finish treatment
- hydraulic lock in the up position (in the event of a power outage) with special release key
- support structure to be cemented with cathoporesis treatment (pits not required)

### ELECTRONIC EQUIPMENT

Item	Part No.	
Electronic board JE275 able to control up to 4 Bollards J200 HA	116300	

### OPTIONAL ACCESSORIES

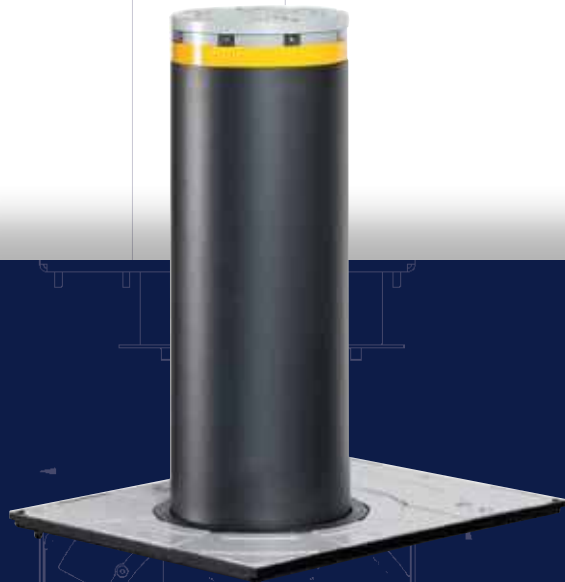
Item	Part No.	
Pit heater J200HA	116501	
Release kit with pressure switch for J200HA	116502	
Acoustic buzzer J200HA	116503	
LED lights kit J200HA	116504	



# J200F FIXED traffic bollard

1. Power supply and wiring not required
2. Simple installation and limited digging operations
3. Aesthetically consistent with other retractable bollards in mixed installations
4. Easy to transport, store and install, thanks to the limited weight of the product

601



74

01

## STANDARD VERSIONS IN PAINTED STEEL

Models	Height	Finish	Part No.
J200 F 600	23.6 in (600 mm)	painting steel	116506

### The product comes with:

- .24" (6 mm) thick steel cylinder with cathoresis treatment and painting
- powder coated dark grey metallised RAL 7021
- support structure to be cemented with cathoresis treatment (pits not required)

## STANDARD VERSIONS IN AISI 316 STAINLESS STEEL

Models	Height	Finish	Part No.
J200 F 600	23.6 in (600 mm)	satin-finished AISI 316 stainless steel	116507

### The product comes with:

- .24" (6 mm) thick stainless steel cylinder with satin-finished treatment
- support structure to be cemented with cathoresis treatment (pits not required)

## OPTIONAL ACCESSORIES

Item	Part No.
LED lights kit J200HA	116504



J200F





### DIMENSIONS AND TECHNICAL SPECIFICATIONS

Cylinder height	23.6 in (600 mm)
Cylinder diameter	7.9 in (200 mm)
Cylinder material standard version	Steel Fe 360 .24 in (6 mm) thickness
Standard cylinder surface treatment	Cataphoresis and polyester powder paint, dark grey metallised RAL 7021
Cylinder material special stainless steel version	Satin-finished AISI 316 .24 in (6 mm) thick
Cylinder top part (head)	Aluminium RAL 9006
Standard refracting strip	Height 1 in (25 mm)



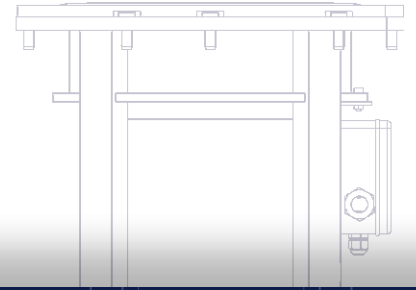
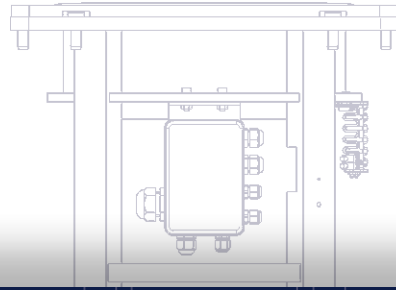
400





# Bollards for commercial, industrial and urban restricted access areas J275

Bollards J275 for the management of vehicle traffic within commercial areas, industrial areas and urban restricted access areas



J275



### **1. J275HA AUTOMATIC RETRACTABLE TRAFFIC BOLLARD**

The Automatic retractable traffic bollard J275HA is recommended for all areas when many daily transits are expected, i.e. commercial, industrial and urban restricted access areas.

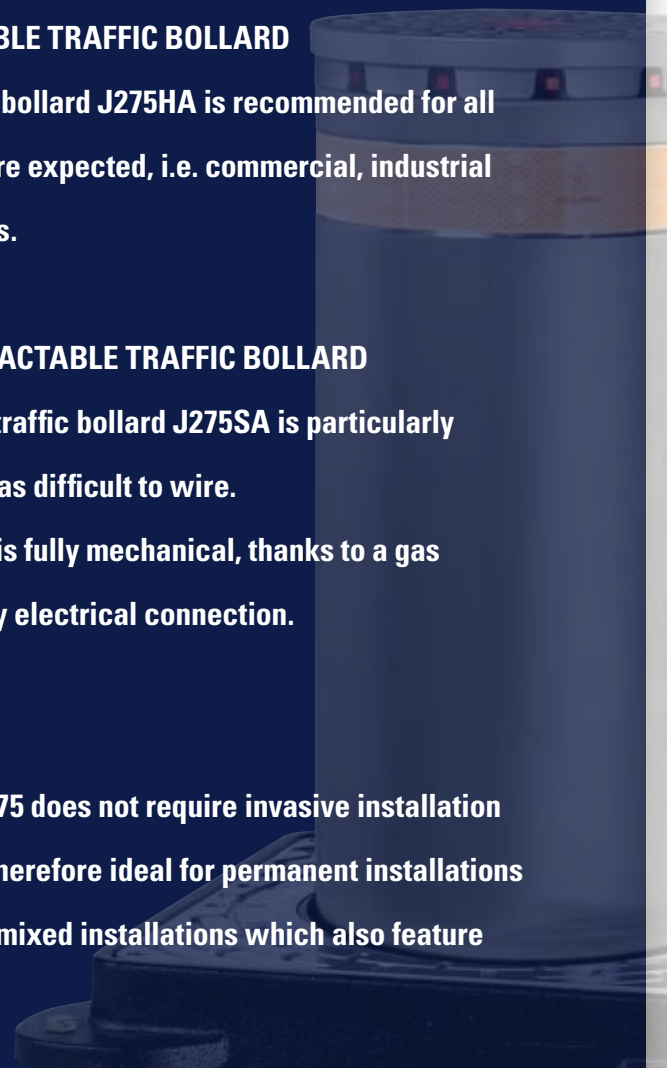
### **2. J275SA SEMI-AUTOMATIC RETRACTABLE TRAFFIC BOLLARD**

The Semi-Automatic retractable traffic bollard J275SA is particularly suitable for town centres and areas difficult to wire.

Raising and lowering the bollard is fully mechanical, thanks to a gas actuator, and does not require any electrical connection.

### **3. J275F FIXED TRAFFIC BOLLARD**

The Fixed traffic bollard FAAC J275 does not require invasive installation work, nor electrical wiring. It is therefore ideal for permanent installations to define pedestrian areas, or for mixed installations which also feature other retractable bollards.





# J275HA AUTOMATIC retractable traffic bollard

1. Guaranteed for high frequency use
2. Supplied with the main accessories already included
3. Extreme care in the selection of materials
4. Simplified maintenance (just one person is needed)
5. Fast and silent movement



## DIMENSIONS AND TECHNICAL SPECIFICATIONS

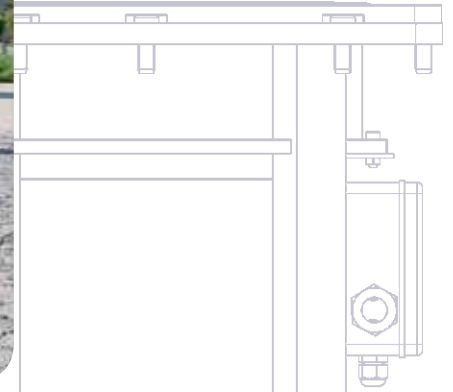
Drive	Hydraulic Actuator	
Cylinder stroke	23.6 in (600 mm)	31.5 in (800 mm)
Cylinder diameter	10.8 in (275 mm)	
Cylinder material standard version	Steel Fe 360 .28 in (7 mm)	
Standard cylinder surface treatment	Cataphoresis and polyester powder paint, dark grey metallised RAL 7021.	
Cylinder material special stainless steel version	Satin-finished AISI 316 .24 in (6 mm) thickness	
Cylinder top part (head)	Aluminium RAL 9006	
Rise time	About 5 sec	About 7 sec
Descent time (standard)	About 2.8 sec	About 3.5 sec
Descent time (rapid) (*)	About 1 sec	About 1.2 sec
Hydraulic pump power supply	230 Vac +6% - 10%; 50/60 Hz	
Power consumption	220 W	
Protection rating	IP 67	
Recommended Use	Intensive use (Traffic)	
Standard refracting strip	Height 2.2 in (55 mm)	
Manual lowering operation	Possible with hydraulic circuit mechanical release	
Impact resistance	38 KJoules/painted steel - 67 KJoules/stainless steel	
Break-in resistance	128 KJoules/painted steel - 207 KJoules/stainless steel	
Total weight (Bollard + Pit)	247 + 121 lb (112 + 55 Kg)	287 + 143 lb (130 + 65 Kg)
Operating temperature	5 °F / 131 °F (-15 °C / +55 °C)	
Operating temperature with heater (optional)	-13 °F / 131 °F (-25 °C / +55 °C)	
Foundation size	22 x 22 x 37 in (560x560x950 mm)	22 x 22 x 48 in (560x560x1220 mm)
Connection cable	Standard 16+1 conductors, minimum AWG 16 (not supplied)	
Maximum length	164 ft (50 m)	

## ELECTRONIC EQUIPMENT

Item	Part No.
Electronic board JE275 able to control up to 4 bollards J275 HA	116300



J275HA



### STANDARD VERSIONS IN PAINTED STEEL

Models	Height	Finish	Part No.
J275 HA 600	23.6 in (600 mm)	painted steel	116000
J275 HA 800	31.5 in (800 mm)		116001

#### The product comes with:

- .28 in (7 mm) thick steel cylinder with cataphoresis treatment and painted
- powder paint, dark grey metallised RAL 7021
- flashing lights ring with central LED
- acoustic buzzer during movement
- emergency lowering in the event of a power outage (can be excluded)

### STANDARD VERSIONS IN AISI 316 STAINLESS STEEL



Models	Height	Finish	Part No.
J275 HA 600	23.6 in (600 mm)	satin-finished AISI 316 stainless steel	116030
J275 HA 800	31.5 in (800 mm)		116031

#### The product comes with:

- .24 in (6 mm) thick stainless steel cylinder with satin-finished treatment
- flashing lights ring with central LED
- acoustic buzzer during movement
- emergency lowering in the event of a power outage (can be excluded)





### INSTALLATION ACCESSORIES

Item	Part No.	
Pit JP 275/600 for bollard H600	116100	
Pit extension JP 275/800* for bollard H800*	1161001	

(\*) For the 800 mm version the following two parts must be ordered: 116100 + 116101.

### OPTIONAL ACCESSORIES

Item	Part No.	
Pit heater JH275 (to extend operation down to -13°F (-25°C))	116200	
Pit cover JC275	116201	



# J275SA SEMI-AUTOMATIC retractable traffic bollard

1. Power supply and wiring not required
2. Simple and safe movement, thanks to the special release key
3. Supplied with the main accessories already included
4. Low position lock guaranteed against accidental release
5. Extremely simple maintenance



## DIMENSIONS AND TECHNICAL SPECIFICATIONS

Drive	Single-acting gas actuator
Cylinder stroke	23.6 in (600 mm)
Cylinder diameter	10.8 in (275 mm)
Cylinder material standard version	Steel Fe 360 .28 in (7 mm) thickness
Standard cylinder surface treatment	Cataphoresis and polyester powder paint, dark grey metallised RAL 7021
Cylinder material special stainless steel version	Satin-finished AISI 316 .24 in (6 mm) thickness
Cylinder top part (head)	Aluminium RAL 9006
Rise	Key release for automatic rise, with gas actuator
Descent	Key release for lowering, with pressure on the top of the cylinder
Standard refracting strip	Height 2.2 in (55 mm)
Impact resistance	38 KJoules/painted steel - 67 KJoules/stainless steel
Break-in resistance	128 KJoules/painted steel - 207 KJoules/stainless steel
Total weight Bollard + Pit	154 + 121 lb (70 + 121 Kg)
Foundation size	22 x 22 x 37 in (560x560x950 mm)

J275SA



### STANDARD VERSIONS IN PAINTED STEEL

Models	Height	Finish	Part No.
J275 SA 600	23.6 in (600 mm)	painting steel	116050

#### The product comes with:

- .28 in (7 mm) thick steel cylinder with cataphoresis treatment and painted
- powder paint, dark grey metallised RAL 7021
- flashing lights ring with central LED
- mechanical lock in the up position with special release key (2 release keys included)

### STANDARD VERSIONS IN AISI 316 STAINLESS STEEL


Models	Height	Finish	Part No.
J275 SA 600	23.6 in (600 mm)	satin-finished AISI 316 stainless steel	116060

#### The product comes with:



- .24 in (6 mm) thick stainless steel cylinder with satin-finished treatment
- flashing lights ring with central LED\*
- mechanical lock in the up position with special release key (2 release keys included)

(\* ) The power supply unit (24 Vdc) and the cable (2 x AWG 16) for the lights ring are not supplied.

### INSTALLATION ACCESSORIES

Item	Part No.	
Pit JP 275/600 for bollard H600	116100	

### OPTIONAL ACCESSORIES

Item	Part No.	
Release keys kit (5 keys)	390084	
Pit cover JC275	116201	





# J275F FIXED traffic bollard

1. Power supply and wiring not required
2. Simple installation and limited digging operations
3. Aesthetically consistent with other retractable bollards in mixed installations
4. Possibility to remove the bollard to temporarily open the pedestrian area to traffic



## DIMENSIONS AND TECHNICAL SPECIFICATIONS

Cylinder height	23.6 in (600 mm)	31.5 in (800 mm)
Cylinder diameter	10.8 in (275 mm)	
Cylinder material standard version	Steel Fe 360 .16 in (4 mm) thickness	
Standard cylinder surface treatment	Cathaphoresis and polyester powder paint, dark grey metallised RAL 7021	
Cylinder material special stainless steel version	Satin-finished AISI 316 .12 in (3 mm) thick	
Cylinder top part (head)	Aluminium RAL 9006	
Standard refracting strip	Height 2.2 in (55 mm)	
Break-in resistance	35 KJoules/painted steel -59 KJoules/stainless steel	
Total weight Bollard	75 lb (34 kg)	84 lb (38 kg)
Foundation size	18 x 18 x 1.2 in (450x450x30 mm)	

## STANDARD VERSIONS IN PAINTED STEEL

Models	Height	Finish	Part No.
J275 F 600	23.6 in (600 mm)	painted steel	116020
J275 F 800	31.5 in (800 mm)		116021

### The product comes with:

- .16" (4 mm) steel cylinder cathaphoresis treated and painted
- powder coated dark grey metallised RAL 7021
- flashing lights ring with central LED\*

## STANDARD VERSIONS IN AISI 316 STAINLESS STEEL

Models	Height	Finish	Part No.
J275 F 600	23.6 in (600 mm)	satin-finished AISI 316 stainless steel	116040
J275 F 800	31.5 in (800 mm)		116041

### The product comes with:

- .12 in (3 mm) thick stainless steel cylinder with satin-finished treatment
- flashing lights ring with central LED\*

(\* ) The power supply unit (24 Vdc) and the cable (2 x AWG 16) for the illuminated ring are not supplied.

J275F


109

141





### INSTALLATION ACCESSORIES

Item	Part No.	
Fixed bollard mounting frame JPF275	116120	

### OPTIONAL ACCESSORIES

Item	Part No.	
Pit cover JC275	116201	



# J355HA-M30-P1 bollard certified for use in perimeter security areas

The AUTOMATIC bollard FAAC J355HA-M30-P1 is designed and tested for the protection of sensitive areas such as airports, embassies, consulates, banks, ports, etc.

The bollard FAAC J355HA-M30-P1 has been tested according to: "ASTM F 2656-07 - Standard Test Method for Vehicle Crash Testing of Perimeter Barriers", obtaining certification for the highest class of penetration possible. Classification M30-P1 indicates that the bollard FAAC J355 is able to stop a 15,000 lb (6,800 kg) truck travelling at 30 mile/h (50 km/h) with just 39 in (1 meter) of total penetration (P1).



J355HA

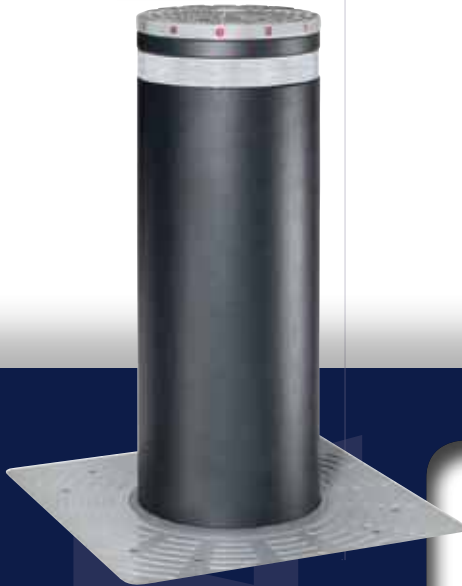






# J355HA-M30-P1 bollard certified for use in perimeter security areas


1. CERTIFIED according to Standard ASTM F 2656-07 M30
2. Supplied with the main accessories already included
3. Lock in the up position guaranteed even in the event of a power outage
4. Extreme care in the selection of materials
5. Also available in the EFO (Emergency Fast Operation) version for very fast rise time



## DIMENSIONS AND TECHNICAL SPECIFICATIONS

Drive	Hydraulic Actuator
Cylinder stroke	39.4 in (1,000 mm)
Cylinder diameter	14 in (355 mm)
Cylinder material	Steel S355JR EN10210 .63 in (16 mm) thickness
Cylinder surface treatment	Cataphoresis and polyester powder paint, dark grey metallised RAL 7021
Sleeve material (stainless steel special vers.)	Satin-finished AISI 316
Cylinder top part (head)	Aluminium RAL 9006
Rise time	About 6 sec/standard version - About 1.5 sec/EFO version
Descent time (standard)	About 2 sec
Hydraulic pump power supply	230 Vac +6% - 10%; 50/60 Hz
Power consumption	1,200 W
Maximum force	1,124 lbf (5,000 N)
Junction box protection rating	IP 67
Recommended Use	Security areas
Standard refracting strip	Height 2.2" (55 mm)
Impact resistance	150 Kjoules
Break-in resistance	656 KJoules (in compliance with Standards ASTM F2656-07 - M30)
Load class	C25 (25t)
Total weight (Bollard + Pit)	1,080 + 550 lb (490 + 250 kg)
Operating temperature	5 °F / 131 °F (-15 °C / +55 °C)
Operating temperature with heater (optional)	-40°F / 131 °F (-40 °C / +55 °C)
Foundation size	22.5 x 27 x 65.5 in (570x690x1665 mm)
Connection cable	Standard 16+1 conductors, minimum section AWG16 (not supplied)
Maximum length	164 ft (50 m)

## ELECTRONIC EQUIPMENT

Item	Part No.	
Electronic board JE275 able to control 1 Bollard J355 M30-P1	116300	

J355HA



### STANDARD VERSIONS IN PAINTED STEEL

Models	Height	Finish	Part No.
J355 HA M30-P1	39.4 in (1,000 mm)	painted steel	116004
J355 HA M30-P1 EFO			116005

#### The product comes with:

- .63 in (16 mm) thick steel cylinder with cataphoresis treatment and painted
- powder coated dark grey metallised RAL 7021
- flashing lights ring with central LED
- hydraulic lock in the up position (in the event of a power outage)
- watertight galvanised steel pit with built-in drainage connection
- emergency circuit for fast rise time (EFO version only)

### STANDARD VERSIONS IN AISI 316 STAINLESS STEEL

Models	Height	Finish	Part No.
J355 HA M30-P1	39.4 in (1,000 mm)	satin-finished AISI 316 stainless steel	116034
J355 HA M30-P1 EFO			116035

#### The product comes with:

- .63 in (16 mm) thick steel cylinder with cataphoresis treatment and satin-finished stainless steel «sleeve»
- flashing lights ring with central LED
- hydraulic lock in the up position (in the event of a power outage)
- watertight galvanised steel pit with built-in drainage connection
- emergency circuit for fast rise time (EFO version only)

### INSTALLATION ACCESSORIES

Item	Part No.
Pit J355 HA	116110

### INSTALLATION ACCESSORIES

Item	Part No.	
Pit heater J355	116202	
Manual release key	116102	



## J200 SERIES

DIAMETER	7.9 in (200 mm)
HEIGHT	23.6 in (600 mm)
FINISH	PAINTED STEEL, SATIN-FINISHED STAINLESS STEEL
VERSIONS	AUTOMATIC (HA); FIXED (F)



## J355 SERIES

DIAMETER	14 in (355 mm)
HEIGHT	39.4 in (1,000 mm)
FINISH	PAINTED STEEL, SATIN-FINISHED STAINLESS STEEL
VERSIONS	AUTOMATIC (HA); AUTOMATIC + EMERGENCY FAST OPERATION (HA EFO)



## J275 SERIES

DIAMETER	10.8 in (275 mm)
HEIGHT	23.6 in (600 mm) - 31.5 in (800 mm)
FINISH	PAINTED STEEL, SATIN-FINISHED STAINLESS STEEL
VERSIONS	AUTOMATIC (HA); SEMI-AUTOMATIC (SA); FIXED (F)



## HEADQUARTERS

### ITALY

FAAC SpA  
Via Calari 10 - 40069 Zola Predosa (BO)  
Tel. +39 051 61724 - Fax +39 051 758518  
it.info@faacgroup.com - www.faacgroup.com

### SUBSIDIARIES

#### AUSTRALIA

FAAC AUSTRALIA PTY LTD  
Homebush – Sydney, Australia  
tel. +61 2 87565644  
fax +61 2 87565677  
www.faac.com.au

#### AUSTRIA

FAAC GMBH  
Salzburg, Austria  
tel. +43 662 8533950  
fax +43 662 85339525  
www.faac.at

FAAC TUBULAR MOTORS  
tel. +49 30 56796645  
fax +49 30 22409006  
faactm.info@faacgroup.com  
www.faac-tubularmotors.com

#### BENELUX

FAAC BENELUX NV/SA  
Brugge, Belgium  
tel. +32 50 320202  
fax +32 50 320242  
www.faacbenelux.com

FAAC TUBULAR MOTORS  
Schaapweg 30  
NL-6063 BA Vlodrop, Netherlands  
tel. +31 475 406014  
fax +31 475 406018  
faactm.info@faacgroup.com  
www.faac-tubularmotors.com

#### BRAZIL

INDÚSTRIAS ROSSI ELETROMECAÂNICA SA  
Brasília DF, Brazil  
tel. +55 61 33998787  
fax +55 61 34046020  
www.rossiportoes.com.br

#### CHINA

FAAC SHANGHAI  
Shanghai, China  
tel. +86 21 68182970  
fax +86 21 68182968  
www.faacgroup.cn

#### FRANCE

FAAC FRANCE  
Saint Priest - Lyon, France  
tel. +33 4 72218700  
fax +33 4 72218701  
www.faac.fr

FAAC FRANCE - AGENCE PARIS  
Massy - Paris, France  
tel. +33 1 69191620  
fax +33 1 69191621  
www.faac.fr

FAAC FRANCE - DEPARTEMENT VOILETS  
Saint Denis de Pile - Bordeaux, France  
tel. +33 5 57551890  
fax +33 5 57742970  
www.faac.fr

#### GERMANY

FAAC GMBH  
Freilassing, Germany  
tel. +49 8654 49810  
fax +49 8654 498125  
www.faac.de

FAAC TUBULAR MOTORS  
tel. +49 30 56796645  
fax +49 30 22409006  
faactm.info@faacgroup.com  
www.faac-tubularmotors.com

#### INDIA

FAAC INDIA PVT. LTD  
Noida – Delhi, India  
tel. +91 120 3934100/4199  
fax +91 120 4212132  
www.faacindia.com

#### IRELAND

NATIONAL AUTOMATION LTD  
Co. Roscommon, Ireland  
tel. +353 71 9663893  
fax: +353 71 9663890  
www.nal.ie

#### MIDDLE EAST

FAAC MIDDLE EAST FZE  
Dubai Silicon Oasis Operation Center - Dubai, UAE  
tel. + 971 4 3724190  
fax+ 971 4 3724191  
www.faac.ae

#### THE NETHERLANDS

KEMKO BV  
Doetinchem, Netherlands  
tel. +31 314 378777  
fax +31 314 362224  
www.kemko.nl

#### NORDIC REGIONS

FAAC NORDIC AB  
Perstorp, Sweden  
tel. +46 435 779500  
fax +46 435 779529  
www.faac.se

#### POLAND

FAAC POLSKA SP.ZO.O  
Warszawa, Poland  
tel. +48 22 8141422  
fax +48 22 8142024  
www.faac.pl

#### RUSSIA

FAAC RUSSIA  
Moscow, Russia  
tel. +7 (495) 646 24 29  
www.faac.ru

#### SPAIN

CLEM, S.A.U.  
San Sebastián de los Reyes - Madrid, Spain  
tel. +34 91 3581110  
fax +34 91 7293309  
www.faac.es

#### SWITZERLAND

FAAC AG  
Altdorf, Switzerland  
tel. +41 41 8713440  
fax + 41 41 8713484  
www.faac.ch

#### TURKEY

FAAC OTOMATİK GEÇİŞ SİSTEMLERİ  
SAN. VE TİC. LTD. SİRTEKİ  
İstanbul, Turkey  
tel. +90 (0)212 - 3431311  
www.faac.com.tr

#### UNITED KINGDOM

FAAC UK LTD.  
Basingstoke Hampshire, UK  
tel. +44 1256 318100  
fax +44 1256 318101  
www.faac.co.uk

#### U.S.A.

FAAC INTERNATIONAL INC  
Rockledge, FL - U.S.A.  
tel. +1 866 925 3222  
fax +1 904 448 8958  
www.faacusa.com

FAAC INTERNATIONAL INC  
Fullerton, California - U.S.A.  
tel. +1 714 446 9800  
fax +1 714 446 9898  
www.faacusa.com

**FAAC**  
*Simply automatic.*

