AVAILABLE VERSIONS

Model	Finish	Item Code
HA (AUTOM.) SECURITY BOLLARD J355/H1.000 (Pit not included)	painted steel	116004
HA (AUTOM.) SECURITY BOLLARD J355/H1.000 EFO (Pit not included)	painted steel	116005
UNDERGROUND PIT FOR J355HA	-	116110

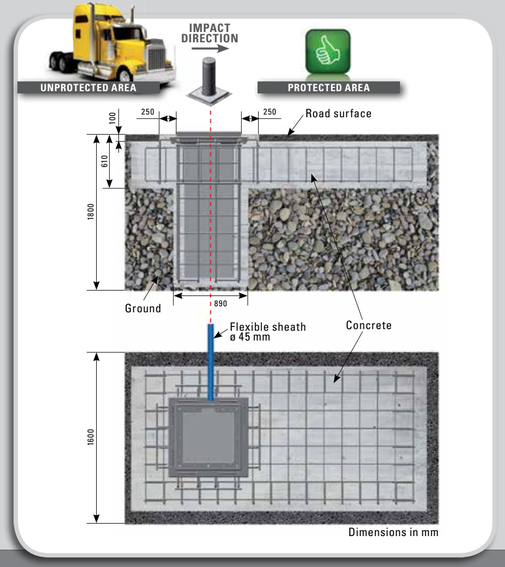
AVAILABLE VERSIONS

Model	Finish	Item Code
HA (AUTOM.) SECURITY BOLLARD J355/H1.000 (Pit not included)	inox stainless steel	116034
HA (AUTOM.) SECURITY BOLLARD J355/H1.000 EFO (Pit not included)	inox stainless steel	116035
UNDERGROUND PIT FOR J355HA	-	116110

ACCESSORIES

Model	Item Code
BOLLARD CONTROL UNIT JE275 1 unit can manage 1 J355HA M30-P1 bollard	116300
PIT HEATER (OPTIONAL) JH355	116202

INSTALLATION LAYOUT



NOTE:

1. The foundation concrete can be poured directly into the dug-out area.
2. Concrete specifications:
   A. Class C25/30
   B. Concrete with 10-30 aggregate according to UNI EN 12620 standard
   C. The bollard must be installed after at least 7 days of concrete setting.
3. The compacting index of the surrounding ground must be at least 90% of the "Proctor" optimum curve, according to UNI EN 13286-2:2005 standard.
4. The steel framework must comply with class B450C (ASTM A615 Grade 60).

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M.M.

9900100044 Rev. 12 (05/2014)

J355HA M30-P1

New automatic high security bollard
ASTM certified

Simply automatic.

RISING TO THE CHALLENGE OF PERIMETER SECURITY

J355HA M30-P1 is the new FAAC retractable bollard conceived for **perimeter security applications**.
This product has been specifically designed for the protection of sensitive areas such as: airports, embassies, consulates, public offices, banks, marina, etc.

It has been tested in accordance to "**ASTM F 2656–07** – American Standard Test Method for Vehicle Crash Testing of Perimeter Barriers" and successfully ranked with the **highest class** (P1)

J355HA M30-P1 Bollard can therefore arrest a 6800 Kg truck running at a speed of about 50 Km/hour (30 Mph) in less than 1m (P1)!

To further enhance the level of protection offered, is available also an EFO (Emergency Fast Operation) special version. The rising speed is ~1,5 sec in J355 M30-P1 EFO versions.

J355HA M30-P1 IS THE FAAC SOLUTION FOR THE INCREASING DEMAND OF SECURITY

- Allows the access to sensitive areas to authorized vehicles only
- Allows free pedestrian flow, preventing at the same time vehicle intrusion

Advantages:

- Reduces the aesthetical impact on the surrounding context, thanks to its mobile concealed element
- Optimizes the use of human resources in access control activities
- Guarantees a safe movement, thanks to built-in LED lights

INNOVATIVE SECURITY BOLLARD

J355HA M30-P1 bollard has a number of exceptional features.

- Tested in accordance to ASTM F 2656-07 M30 standards, getting the highest "penetration rating" (P1).
- The bollard has a built-in FAAC hydraulic drive unit.
- Emergency Fast Operation version for rapid movement (1,5s).
- Upraised position kept by hydraulic blocking, even in case of power failure.
- 16mm steel cylinder, treated with cataphoresis and painted- satin stainless steel version available.
- No pipes with oil under pressure on underground ducts to avoid leakages or failure risks.
- Central rail piston to provide optimal stability of the cylinder when rising and lowering.
- Built-in LED lights grant good visibility in all directions.
- Hydraulic unit IP 67.
- Stainless steel internal fixing frames.
- Extremely reliable electronic control unit -JE275-.

Accessories

- Pit heater JH355
- Control unit for one bollard management JE275

Options

- RAL painting on request (not avalaible on stainless steel satin finishing)
- Stainless steel satin finishing
- E.F.O. Emergency Fast Operation for faster bollard uprising

TECHNICAL SPECIFICATIONS	
Drive	Hydraulic unit
Rising time (standard version)	~ 6,0 sec
Rising time (E.F.O. version)	~ 1,5 sec
Descent time	~ 2,0 sec
Power supply	230 Vac -10% / + 6%; 50 (60)Hz
Max power	2.500 W
Max expressed force	5.000N
Suggested Duty Cycle	Frequent Usage
Cylinder stroke	1000 mm
Cylinder diameter	355 mm
Cylinder steel sheet thickness	16 mm
Cylinder material	S355JR EN10210
Cylinder surface (Painted steel version)	Cataphoresis and polyester powder painted
Standard color	Dark grey metallized RAL 7021
Cylinder surface (Satin stainless steel version)	AISI 316
Head surface treatment	Anticorrosive case aluminum RAL 9006
Reflective strip standard height	55 mm
Impact resistance	150 kJ
Break in resistance	656 kJ
M3-P1 certification	In accordance with ASTM F2656-07
Frame load class	25 Tons (C25)
Supply Cable	16+1 conductors –min. section 1,5mm
Max cable lenght	50 mt
Junction box protection class	IP67 (Hydraulic unit)
Operating temperature	-15 °C / +55 °C
Operating temperature with heater	-40 °C / +55 °C
Weight	490 Kg (bollard) + 250 Kg (pit)

PIT	
Dimensions	L569 x D569 x H1500 mm
Material	Steel sheet alloy, thickness 2mm (+frame to be walled in)
Main frame	Ductile casted iron GS400, treated with cataphoresis