



J355HA M30-P1

New automatic high security & antiterrorist bollard
ASTM certified

FAAC
Simply automatic.



GARDA
SIKRING

J355HA M30-P1

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
- Customizable on-demand color, to match with the urban architecture



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 best “penetration rating” (P1).
- All in one concept: bollard has a built-in hydraulic drive unit.
- Emergency Fast Operation circuit -option- for rapid movement (1,5) .
- 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.
- Remarkable duty cycle.
- Central rail piston to provide optimal stability of the cylinder when rising and lowering.
- Built-in LED lights grant good visibility in all directions.
- Junction boxes and connectors are IP 66 ranked.
- Stainless steel internal fixing frames.
- Extremely reliable electronic control unit -JE275-.
- No customized cables requested.



Accessories for automatic version

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

Options for automatic version

- RAL painting on request (not available 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 | ~ 6,0 sec |
| Rising time with E.F.O. | ~ 1,5 sec |
| Descent time | ~ 2,0 sec |
| Power supply | 230 Vac -10% / + 6%; 50 (60)Hz |
| Max power consumption | 1.200 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 |
| Tested and Certified | In accordance with ASTM F2656-07 - M30-P1 |
| Frame load class | 25 Tons (C25) |
| Supply Cable | 16+1 conductors –min. section 1,5mm |
| Max cable lenght | 50 mt |
| Junction box protection class | IP66 |
| Operating temperature | -15 °C / +55 °C |
| Operating temperature with heater | -40 °C / +55 °C |
| Weight | 490 Kg (bollard) + 250 Kg (pit) |



PIT (INCLUDED)

| | |
|------------|---|
| 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 |



Airports



Banks



Embassies



Military areas

AVAILABLE VERSIONS

| Model | Finish | Item Code |
|--|--------------|-----------|
| HA (AUTOM.) SECURITY BOLLARD J355/H1.000 | painte steel | 116002 |
| HA (AUTOM.) SECURITY BOLLARD J355/H1.000 EFO | painte steel | 116003 |

Pit included

AVAILABLE VERSIONS

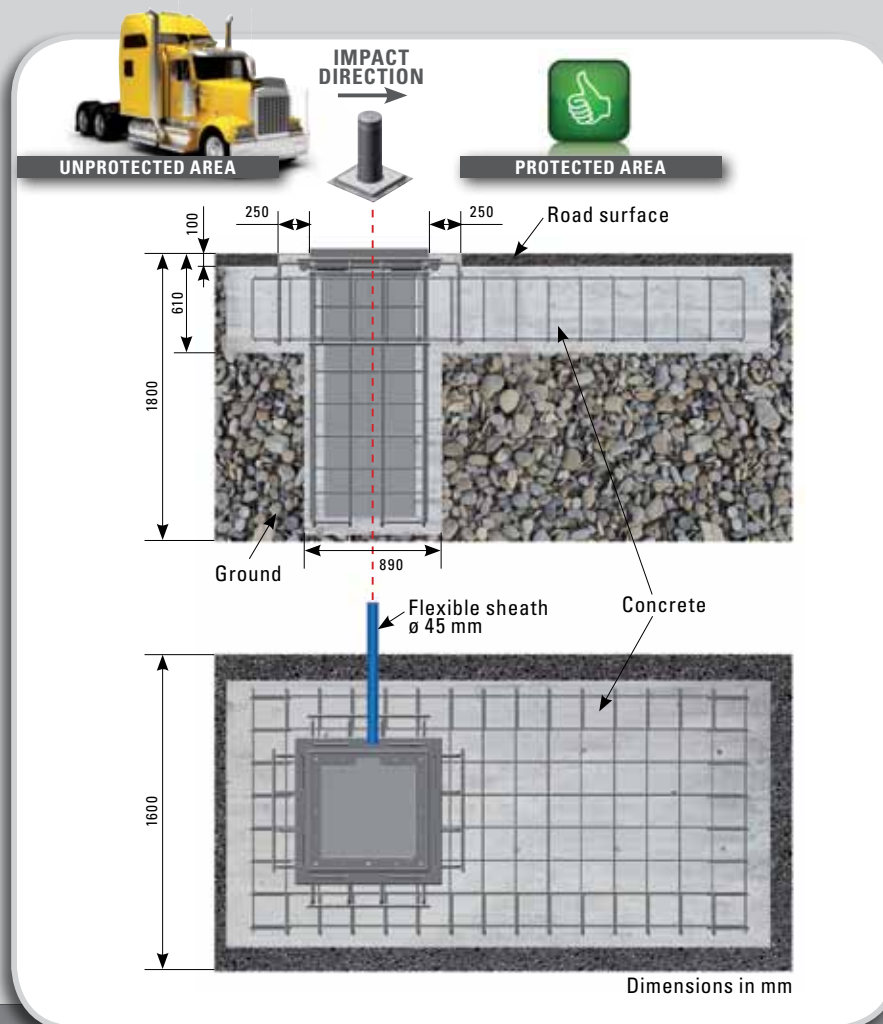
| Model | Finish | Item Code |
|--|----------------------|-----------|
| HA (AUTOM.) SECURITY BOLLARD J355/H1.000 | inox stainless steel | 116032 |
| HA (AUTOM.) SECURITY BOLLARD J355/H1.000 EFO | inox stainless steel | 116033 |

Pit included

ACCESSORIES

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