

FAAC Perimeter Protection Offer - Crash Standards

The “conceptual architecture” behind these standards are the same, but there are:

- **different commissioning bodies**
- **different employed parameters:**
- **different way of expressing the test results**

different commissioning bodies



UK:

British Standard Institute published:

PAS 68:2013 - Impact test specifications for vehicle security barrier systems

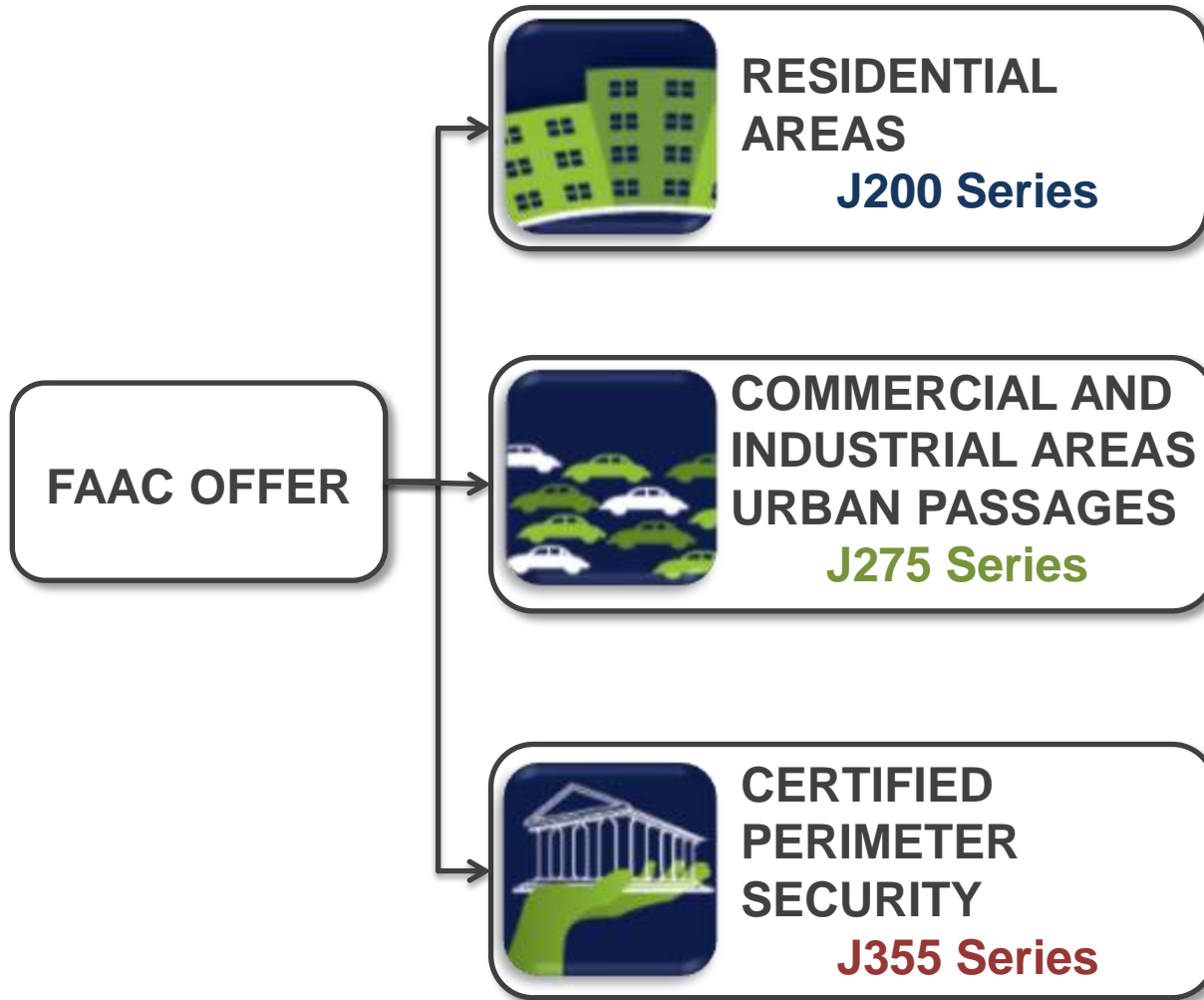


US:

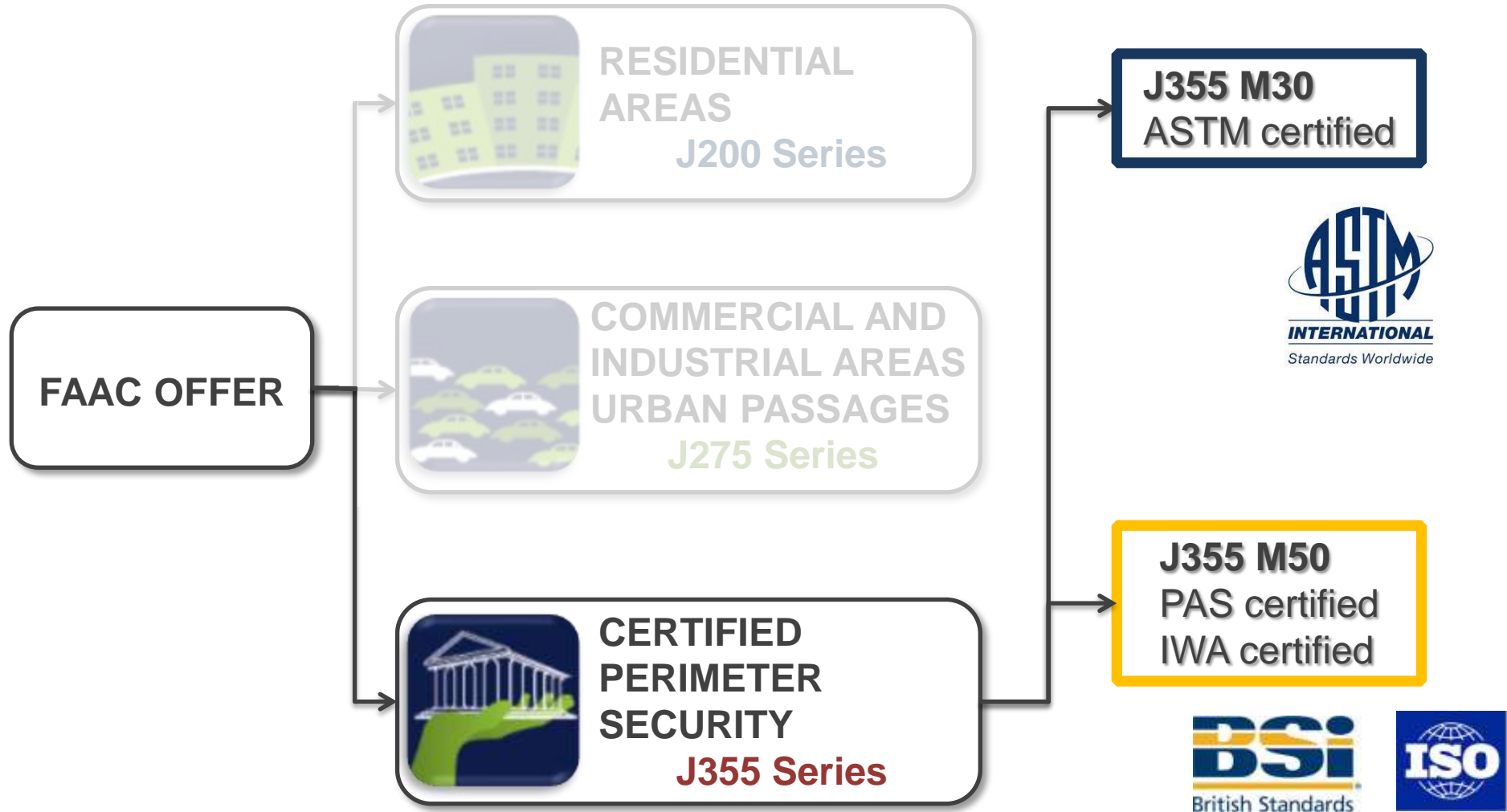
American Society for Testing and Materials published:

ASTM F2656-07- Standard Test Method for Vehicle Crash Testing of Perimeter Barriers *(Formerly DOS SD-STD-02.01)*

FAAC Perimeter Protection Offer – J355 Series



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J355 M30

ASTM F2656-07

6.800kg vehicle (M) driving at
50Km/h

Equivalent to an impact energy of:
656 kJ

1.000mm

Cylinder wall thickness

16mm

Tested according to:

J355 M50

PAS68:2013 and IWA 14-1:2013

7.500kg vehicle (N3/N3C) driving at
80Km/h

1.852kJ

1.200mm

30mm



FAAC Perimeter Protection Offer – J355 Series



J355 M30

J355 M50



Hydraulic Automatic range (HA)

J355HA M30-P1 H1.000 Painted
J355HA M30-P1 H1.000 Satin

J355HA M50 H1.200 Painted
J355HA M50 H1.200 Satin

Hydraulic Automatic EFO range (HA-EFO)

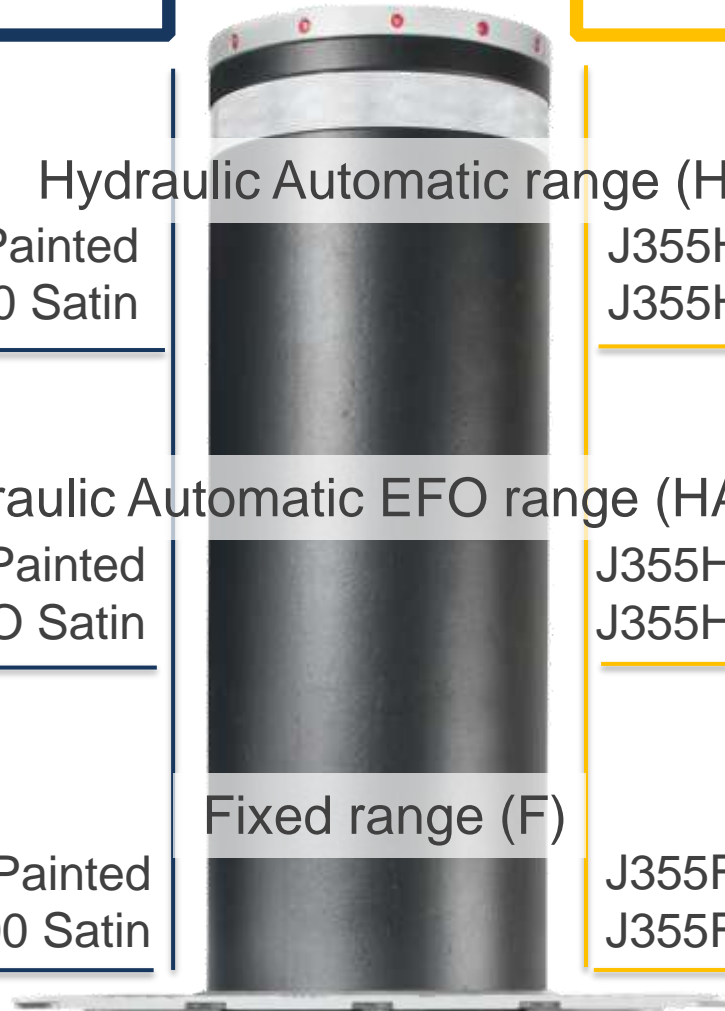
J355HA M30-P1 H1.000 EFO Painted
J355HA M30-P1 H1.000 EFO Satin

J355HA M50 H1.200 EFO Painted
J355HA M50 H1.200 EFO Satin

Fixed range (F)

J355F M30-P1 H1.000 Painted
J355F M30-P1 H1.000 Satin

J355F M50 H1.200 Painted
J355F M50 H1.200 Satin



J355 M50 - PAS / IWA certified J355HA M50 Hydraulic Automatic



- **CERTIFIED** Crash resistance in **single unit configuration**:



J355HA M50 has been **certified in accordance with:**

- **PAS 68:2013** - Impact test specifications for vehicle security barrier systems
- **IWA 14-1:2013** - Vehicle security barriers

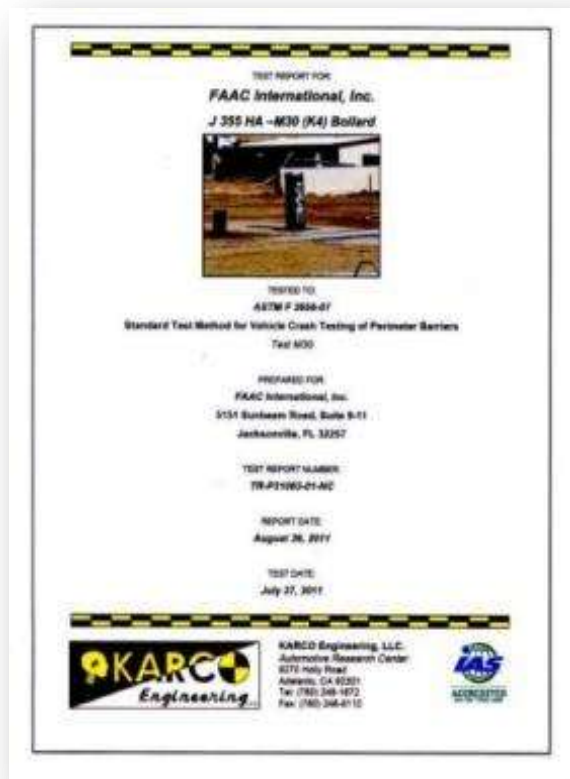
The crash test has been carried out and passed in a **single unit configuration**, with performance classification:

- **PAS 68:2013 - V/7500[N3]/80/90:4.7/10.9**
- **IWA 14-1:2013 - V/7200[N3C]/80/90 :5.0**

J355 M30 - ASTM certified J355HA M30-P1 Hydraulic Automatic



- CERTIFIED Crash resistance in **single unit configuration**:



J355HA M30-P1 has been **certified in accordance with ASTM F 2656-07** Standard Test Method for Vehicle Crash Testing of Perimeter Barriers

The crash test has been carried out and passed in a **single unit configuration**, with impact condition designations **M30**

FAAC Perimeter Protection Offer – J355 Series

J355 M50 - PAS / IWA certified



PRODUCT RANGE:

J355HA M50 - Hydraulic Automatic

- J355HA M50 H1.200 Painted steel
- J355HA M50 H1.200 Satin finish stainless steel

J355HA M50 - Hydraulic Automatic EFO (Emergency Fast Operation):

- J355HA M50 H1.200 EFO Painted steel
- J355HA M50 H1.200 EFO Satin finish stainless steel

J355F M50 - Fixed

- J355F M50 H1.200 Painted steel
- J355F M50 H1.200 Satin finish stainless steel



J355 M50 - PAS / IWA certified J355HA M50 Hydraulic Automatic

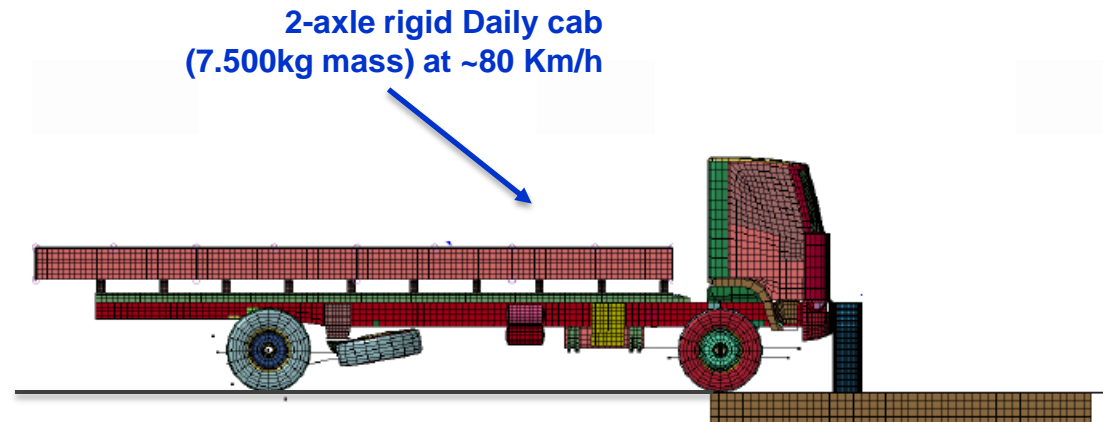


- CERTIFIED Crash resistance in **single unit configuration**:

PAS 68:2013 – V/7500[N3]/80/90:4.7/10.9

Is defined as **1.852.000 joules** of energy adsorbed.

This value corresponds to the **impact force generated by a 18.000 Kg 2-axle rigid Daily cab (7.500kg mass), driving at a speed of ~80 Km/h (~50 Mph)**



J355 M50 - PAS / IWA certified J355HA M50 Hydraulic Automatic

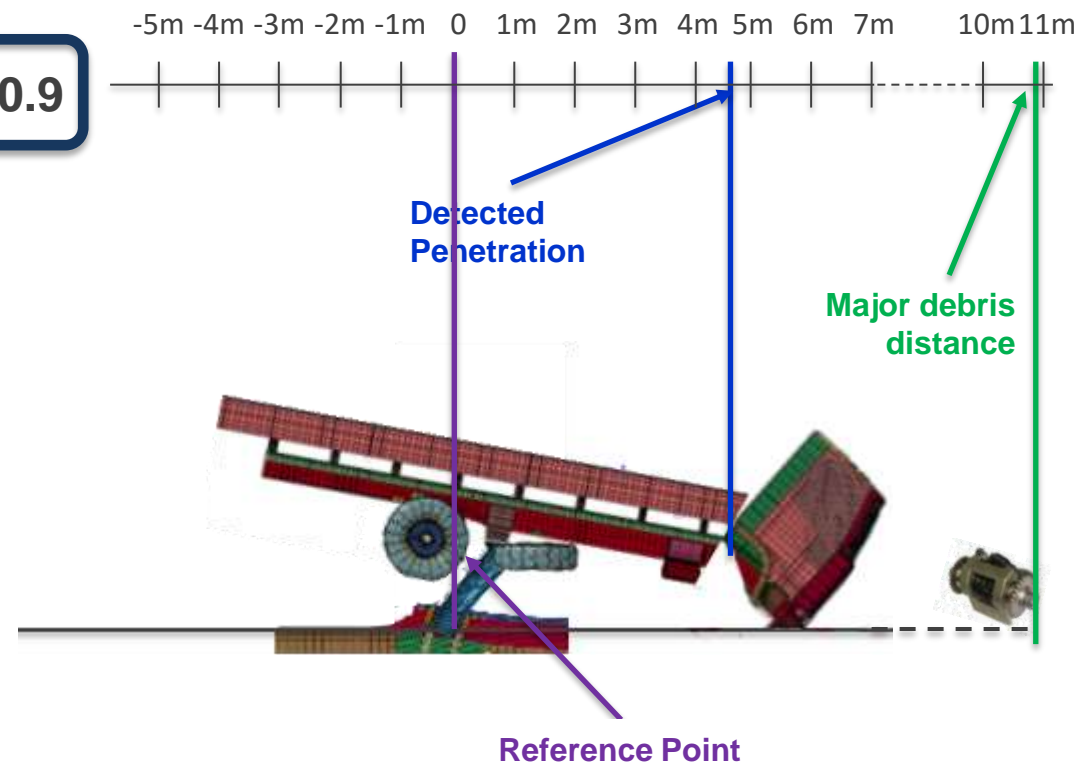


- CERTIFIED Crash resistance in **single unit configuration**:

PAS 68:2013 - **V/7500[N3]/80/90:4.7/10.9**

The detected values for J355 M50 bollard resulted to be:

- Penetration: **4,7m**
- Major debris distance: **10,9m**



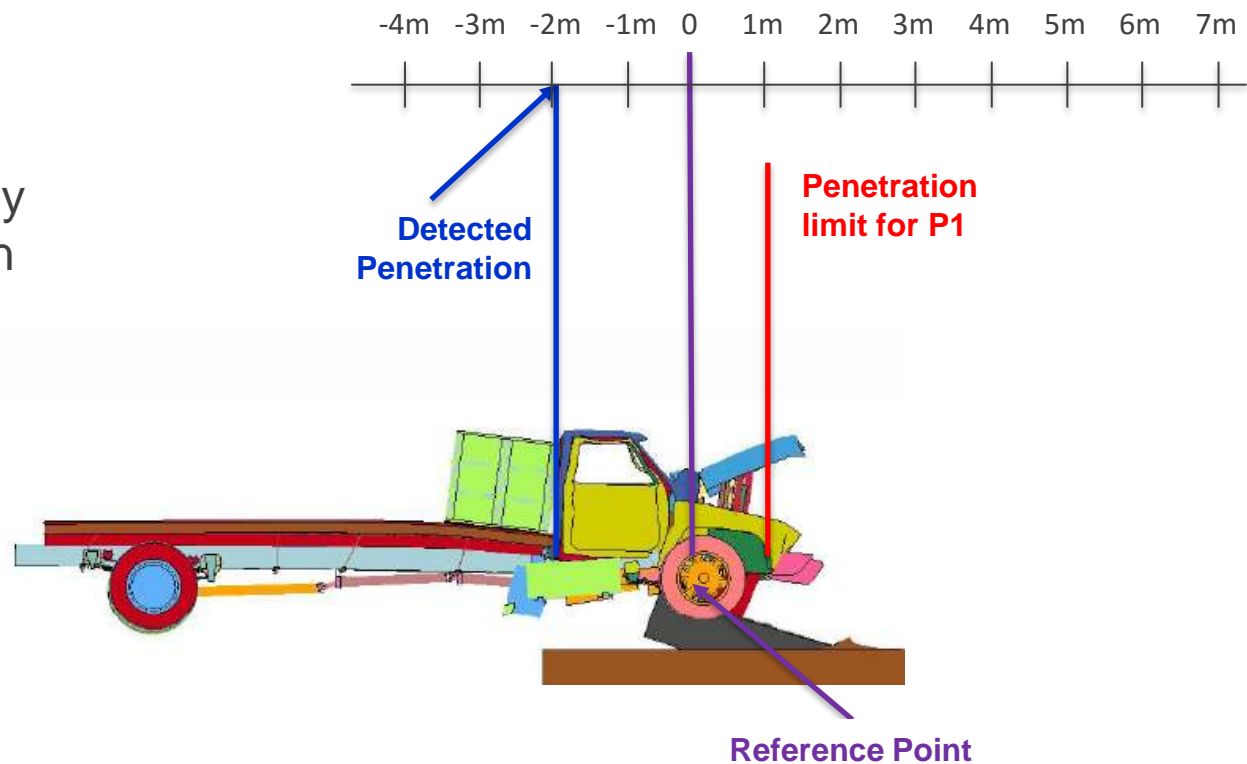
J355 M30 - ASTM certified J355HA M30-P1 Hydraulic Automatic



- CERTIFIED Crash resistance in **single unit configuration**:

P1 Penetration Rating

J355 M30 bollard successfully passed the test and has been ranked at the **top class penetration ranking (P1)**



FAAC Offer

J355 M30 - ASTM certified J355HA M30-P1 Hydraulic Automatic



- CERTIFIED Crash resistance in **single unit configuration:**



FAAC
Simply automatic.



FAAC Perimeter Protection Offer – Special Feature EFO

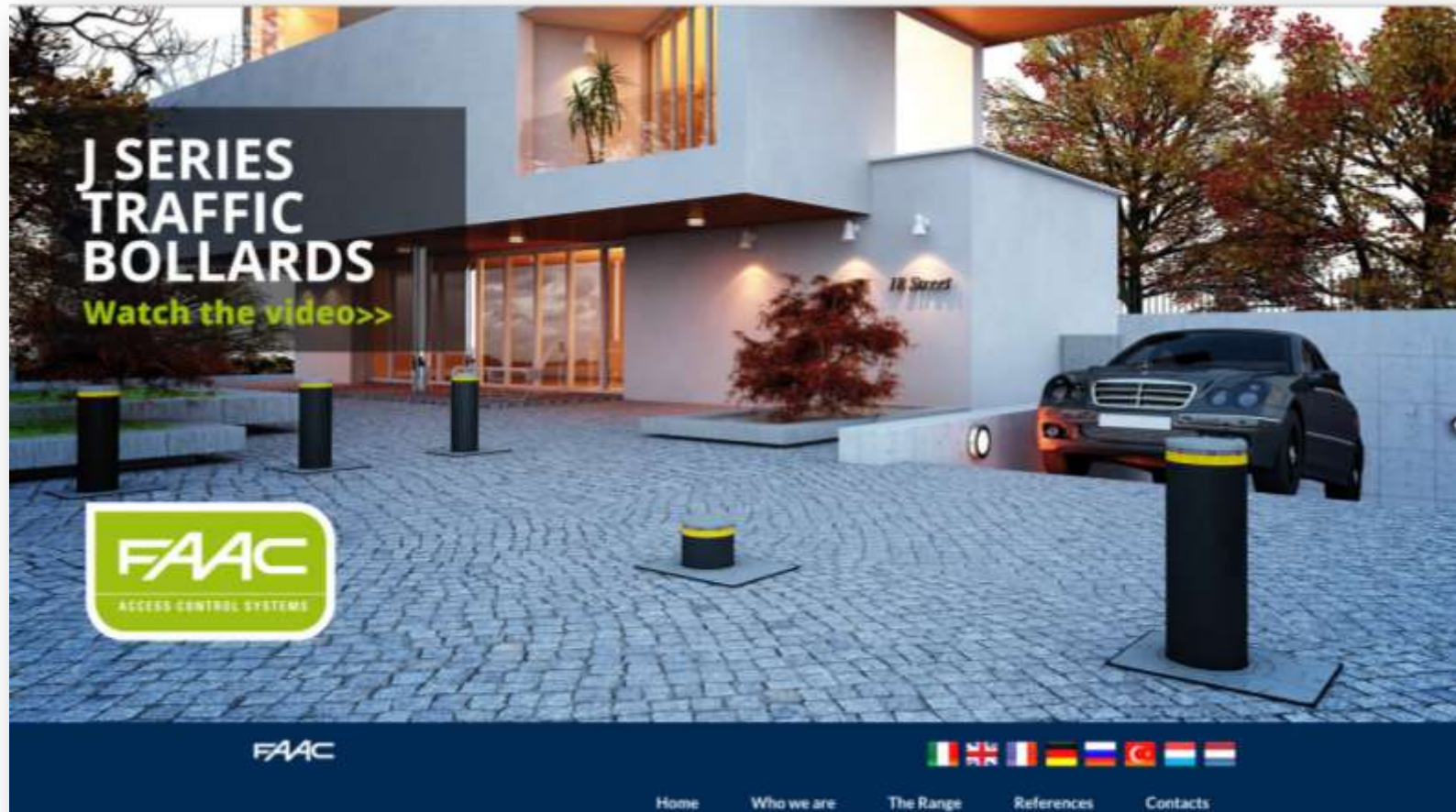
J355HA Hydraulic Automatic E.F.O. (Emergency Fast Operation)



J355HA E.F.O. -Emergency Fast Operation- versions are supplied with a dedicated hydraulic circuit to **quickly rise the bollard in case of emergency**

This circuit commands the cylinder rise in ~1.5 (*the standard rising speed is ~6s*) and therefore **guarantees an extra safety features for the protection of sensitive areas**

FAAC Perimeter Protection Offer – Complete Residential Bollards



**J SERIES
TRAFFIC
BOLLARDS**
Watch the video>>

FAAC
ACCESS CONTROL SYSTEMS

FAAC

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Italy United Kingdom France Germany Russia Turkey Hungary

The advertisement features a modern residential building at dusk with several black traffic bollards with yellow reflective bands installed on a cobblestone driveway. A dark car is partially visible behind a bollard. The FAAC logo is prominently displayed in the lower-left corner, and a navigation menu with flags for various countries is at the bottom.