

HUSSON H STOP®

ISO 22343-1 : SURFACE - PLACED BARRIER V/3500[N1]/48/90:12.9/19.0



H Stop® provides temporary protection for sporting, cultural events and urban city environments.

H Stop® is formidably effective and can offer a very high level of security, proven by rigorous tests carried out according to the most stringent international standard: ISO 22343-1:2023

H Stop® has been designed to be urban furniture; it does not add to public anxiety.

PRODUCT BENEFITS

- ▶ High-security device to protect from vehicle ramming attacks
- ▶ Mobile equipment that is easy to handle
- ▶ An exclusive system (patented system, registered design) that can stop a 3.5 tonne truck launched at 48km/h
- ▶ Elegant design



Transpolis

CERTIFICATE

of passed testing program according to ISO 22343-1:2023

This certificate is issued in the name of the manufacturer mentioned category:

HUSSON INTERNATIONAL
Route de France
88500 LAPOUYEUX - France

The Manufacturer reference is: **HUSSON22433**



On January 12th, 2024, under the following conditions according to ISO 22343-1:2023:

- Vehicle used: Renault Arkar (VCO 6400) (7.1 tonne)
- Vehicle Weight: 4800 kg (10570 kg)
- Actual Speed: 48.5 km/h (30000 kg x 300 kg)
- Angle of Impact: 90° (48 km/h - 1/18 km/h)

V50 (Vehicle Security Barrier):

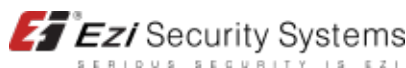
- Model: HSTOP
- Anti-ramp and longitudinal barrier
- Height above ground: 1.23m - width: 1.23m - depth: 1.26m

Test Results:

- The vehicle has been prevented
- Vehicle static penetration distance from the front face of V50: 12.8 m
- Vehicle dynamic penetration distance from the front face of V50: 12.9 m
- Separation, maximum distance of impact (d_{max}) (+20kg): 29.0 m
- Impact Kinetic Energy: 128 kJ

Performance rating: ISO 22343-1: Surface placed barrier 4/25/48/90/12.9/19.0

1200 V 2024 / REF: MIJ-0476-EO-2024





* UNITS CAN BE EASILY STACKED FOR STORAGE



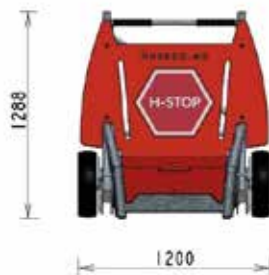
A VERY MANOEUVRABLE DEVICE:

Quick to install; in a few minutes by one worker

Easy to move in a few seconds to let through emergency vehicles

Once unlocked (using a special key), **H Stop®** can be handled like a cart that is perfectly balanced design with minimal force required.

Requires no anchoring to the ground or assembly



TECHNICAL DETAILS:

- ▶ **Structure:** Frame made with steel tubes, 150x100mm, anti-corrosion protection by hot dip galvanisation.
- ▶ For the safety of the public and those who put the equipment in place, all the parts of the **H Stop®** (anchors etc.) are rounded or protected by moulded pieces.
- ▶ 420mm diameter wheels, 115mm wide, with profiled pneumatic tyres **for rolling on any type of surface**, including climbing kerbs, rolling on uneven ground, etc
Wheel locking / unlocking system with key
- ▶ Red panels thickness 14mm
- ▶ **Dimension of 1 module:**
Width: 1200mm, Height 1288mm, Weight: 179kg
- ▶ **Possible customisations:** other colours of panels, lettering, logos etc

