

# TERRA UNIVERSAL BOLLARDS



The HVM Bollard has been successfully impact tested to the International IWA 14 specification with 7.2t @ 80kph (50mph). The easy glide Bollard is fully automatic and hydraulically driven. Interchangeable sleeves to match static Terra Bollards.

- IWA 14 Terra Universal Bollard 7.2t @ 80kph
- V/7200[N2A]/80/90:6.3

*Tested dimensions: lifted height 1000mm*



## BENEFITS & FEATURES

- Successfully impact tested to IWA 14
- Easy glide, hydraulically driven
- Outstanding 360° Hostile Vehicle Mitigation protection from the threat of VBIED's (vehicle borne improvised explosive devices)
- Designed to complement our Planet range of Static Bollard heights and diameters; interchangeable sleeves are fitted to the inner bollard core, creating a versatile and stylish perimeter protection solution.
- 30% less steel than its predecessor with a visibly reduced footprint & attractive hexagonal plate
- Designed for ease of installation with a simple fabric mesh pocket.
- Designed for ease of maintenance
- Instantly reversible, 100% duty rated motor
- Control cabinet recommended to be installed within 10 metres of unit
- Traffic light system

## OPERATING SPEED

- Typical speeds of 4-6 seconds\*
- EFO (extra fast operation) in up to 3 second

## OPTIONS

- Accumulator or manual hand pump allow a number of operations in power failure mode
- In event of Power Failure options of Fail safe (remain in raised position) or Fail secure (remain in lowered position)
- High Security Cabinet
- Can be interfaced to any access control systems

## SAFETY

- Vehicle detector loops
- Safety photocell beams

## CIVIL REQUIREMENTS

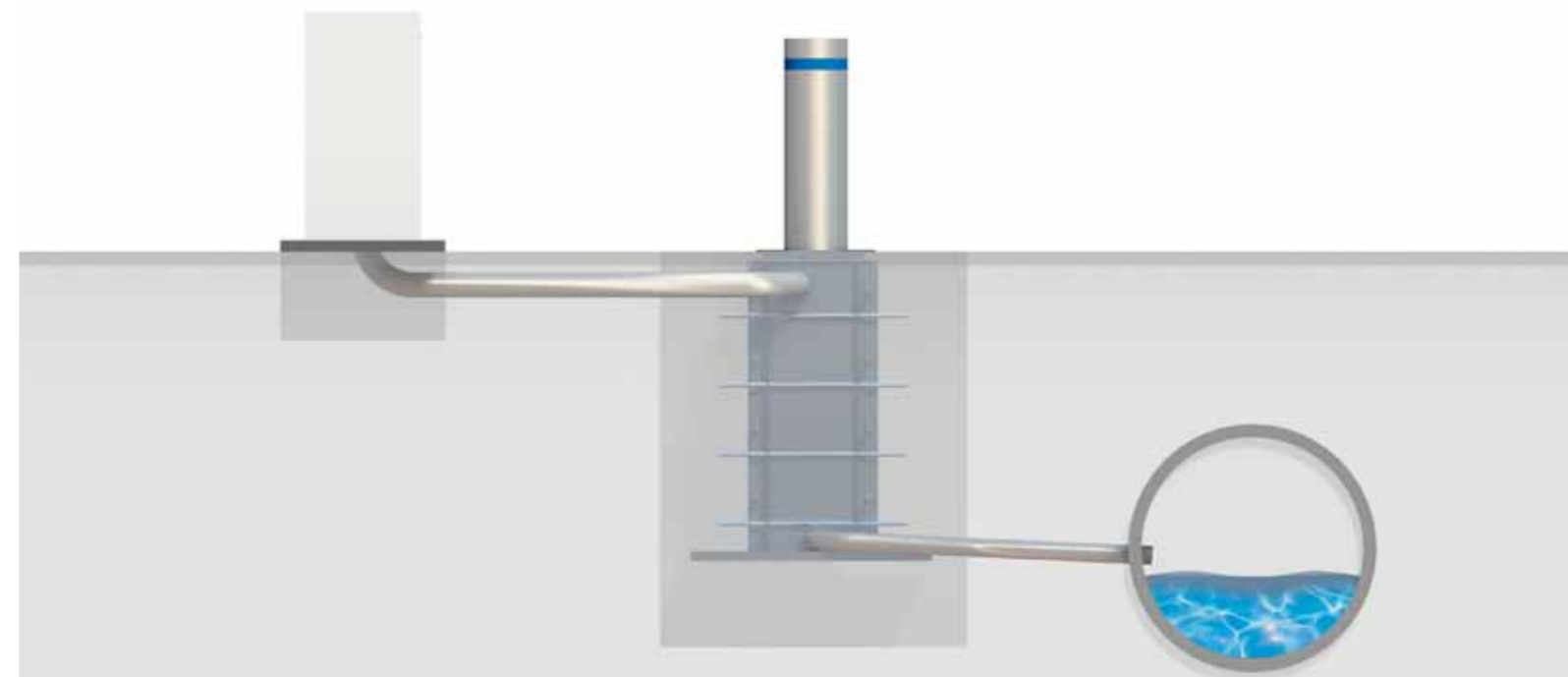
- L:1200mm x W:1200mm x D:1515mm  
(Note: Power and control wiring ducts may be required)
- Control Cabinet Foundation  
L:800mm x W:800mm x D:300mm

## ELECTRICAL REQUIREMENTS\*\*

- Three Phase Supply

\* Depending on configuration

\*\* This is subject to a risk assessment to ensure the automatic equipment complies to BS EN 12453



**Applications:** Sites that require high security anti ram protection from potential hostile vehicles whilst allowing free access/passage by pedestrians. Ideal solution for crowded place venues.