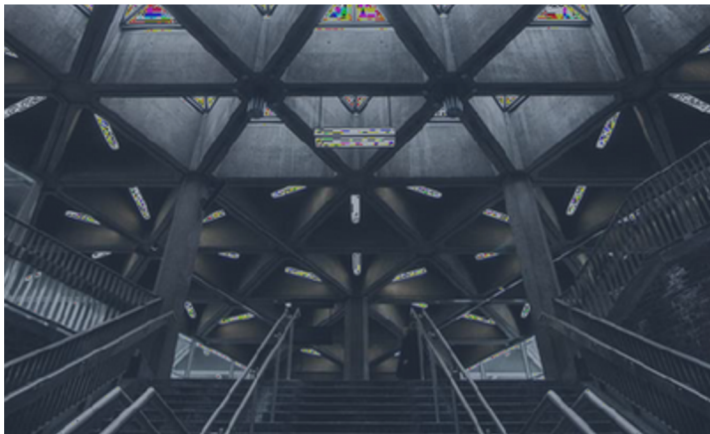


DYNOFORCE PROFILE

Dynoforce designs, supplies, and installs one of the most comprehensive ranges of Parking Management and Hostile Vehicle Mitigation (HVM) solutions globally, supported by a full suite of specialized professional services.

Our team of engineers and technical experts deliver custom-designed security solutions, including crash-rated bollards, automatic and manual crash-rated gates, non-crash-rated perimeter systems, and pedestrian access control systems. Dynoforce products are trusted and installed across high-security sites around the world.

Headquartered in India with a strong domestic presence and supported by global partners and distributors, Dynoforce serves clients across international markets with end-to-end security solutions built to global standards.



DYNOFORCE

DF-SMRB-80-P1

Website: www.dynoforce.in
Email: info@dynoforce.in

PRODUCT RANGE:

- Crash Rated Bollard - Fixed
- Crash Rated Bollard - Automatic/Retractable
- Non Crash Rated Bollards
- Parking Bollards
- Crash Rated Automatic/Manual gates
- Non crash Rated Automatic/Manual gates
- Pedestrian Gates
- Automatic/Manual Boom Barrier
- Crash Rated Wall
- Hydraulic/Electro mechanical Tyre Killer
- Crash Rated Road Blocker



Road Blocker:

DF-SMRB-80-P1

Description:

DynoForce's Crash-Rated Road Blocker is a high-security vehicle access solution, engineered to provide maximum protection against hostile vehicle threats. The system has been tested and certified by ARAI per ISO 22343:2023 and IWA 14-1 standards.

During crash testing, the blocker successfully stopped a 7.2-tonne vehicle travelling at 80 km/h, achieving a P1 penetration and K12 crash rating, which represents the highest level of protection under international standards.

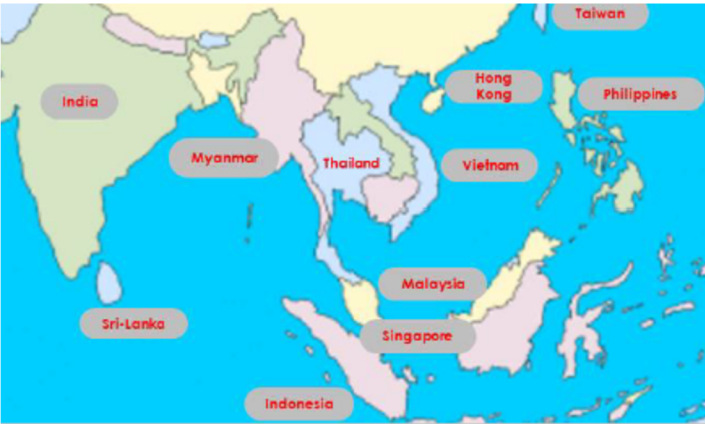
Built with robust structural steel and a heavy-duty hydraulic drive system, the blocker ensures reliable protection for high-risk sites such as Defence facilities, critical infrastructure, government buildings, and data centers.

With proven crash performance and advanced hydraulic technology, this system ensures fast operation, long-term durability, and high security even under extreme impact conditions.



Technical Specification:

- Clear Width - 2.5m to 4m
- Blocking Height - 1050mm
- Foundation Depth - 390mm
- Construction - High-grade structural steel with reinforcement ribs
- Actuation System - Hydraulic drive with accumulator for fail-safe
- Raising/Lowering Time - 4–6 seconds (normal mode), < 2 seconds (EFO mode)
- Duty Cycle - 100% continuous
- Finish - Hot-dip galvanised + RAL powder coating (Customizable colors)
- Operating Temperature - -20°C to +60°C
- Control System - PLC-based panel
- Safety Features - Loop detectors, photocells, traffic lights, EFO switch
- Power Supply - 3 Phase, 415V AC, 50 Hz
- Manual Operation - Manual pump for raising/lowering during power failure



DF-SMRB-80-P1

Installation

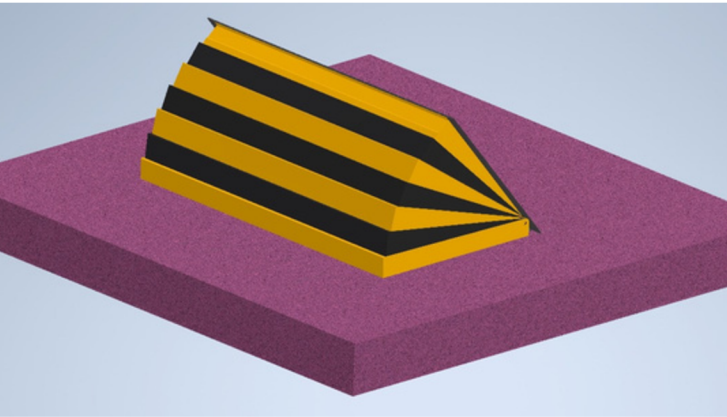
The Road Blocker is designed for efficient installation with minimal civil work. A shallow foundation depth ensures ease of integration into existing roadways. A reinforced concrete pit is required to house the blocker frame and hydraulic components, with proper drainage provisions to prevent water accumulation.

The system must be installed on a level, load-bearing surface, following approved drawings and civil foundation layout. Electrical supply (3-phase, as specified) and hydraulic line routing should be completed before installation.

For optimal performance, accurate alignment and correct spacing must be maintained during placement. Installation should only be carried out by trained personnel to ensure compliance with safety and operational standards.

Applications

- Airports
- Defence & Military Bases
- Embassies
- Oil & Gas Facilities
- Government & VIP Buildings
- Data Centres & IT Parks
- High-Security Checkpoints



Benefits

- Maximum Security: Certified crash performance against vehicle-borne threats.
- Durability: Heavy-duty steel structure with anti-corrosion treatment.
- Reliability: Hydraulic system with EFO for mission-critical sites.
- Flexibility: Compatible with various access control and security systems.
- Ease of Installation: Shallow foundation compared to traditional deep blockers.

