



TECHNICAL FEATURES AND SPECIFICATIONS OF HOM AUTOMATIC SPIKE ROAD BLOCK SYSTEM

HOM Automatic Spike Road Blocks / Tyre Rippers provide effective road blockage against forceful entry of vehicles at military / defense installations, oil & gas refineries, nuclear facilities, embassies and critical security sensitive sites.

Four inches of strong and sharp spikes are rolled out of the speed breaker at the touch of remote control or push button from inside the guardroom. If attempted to drive through at any speed, the locked spikes will puncture the tyres. The time taken for these spikes to come out of speed breaker is 1- 5 seconds (adjustable).

Each roadblock is fitted with its own drive unit and independent control panel. It is capable of accepting optional safety devices such as smart card, magnetic card reader, optical beam sensor etc. It is possible to control access of vehicles in certain direction without keeping a guard man. For example, spikes can be kept in vertically up position thus blocking passage to all vehicles. However, certain vehicles having authorization card will be allowed to pass through. On recognizing the card, the control panel will lower the spikes for preset time (between 10 and 70 seconds) and then automatically bring them up. The control panel is normally fixed in the guardroom.

Electromechanical drive unit consist of gears, shaft, crank and ball bearings, which are sealed in waterproof oil filled capsule for maintenance free and long lasting performance. The operation of drive unit is silent and maintenance free.

The entire Road Block and its drive unit are fitted on road surface; therefore no digging of road is required for installation. This design also avoids accumulation and stagnation of water as well as resulting electrical problems.

20 mm thick, steel strips are embedded in concrete hump. The structure is capable of withstanding upto 50 tones vehicle load. The hump acts as mild speed breaker and provides housing to spikes when the passage is clear.

For added safety and security spike road blocks can be interlocked with HOM Automatic barrier to work in unison with single activation device and control panel. Thus spikes will remain locked up as long as barrier is kept close the moment barrier is opened by an authorized person spikes will roll down.

TECHNICAL SPECIFICATIONS:

Particulars	Hump Type	Flat Type
Dia Of Spike	25 mm	25 mm
Height Of Spike	162 mm	150 mm
Height Of Spike Above Block	112 mm	112 mm
Max.Thickness Of Strip	25 mm	25 mm
Height Of The Block from Road	125 mm	0 mm
Width Of The Block	1070 mm	610 mm
Maximum Length of Block	3048 mm	3048 mm
Weight Of Block For 10 Ft. Each Without Wooden Packing	700Kg (approx)	900Kg (approx)

All dimensions and weight are approximate.

HOM's continuous development program may bring specification changes without prior notice.