

ANTI-TERROR HYDRAULIC SPIKE

The placement of anti-terror Spike popularly known as Tyre shredder or killer requires careful consideration & Planning and deep understanding of the perceived threats. These are dictated by the location, type of facility secured etc.

Therefore, it is today a common practice for conducting a detailed Risk-Analysis to study the vulnerability & analyse the threat. A threat analysis report is prepared for setting in place a security plan for any building. It is from this- that a decision to deploy a Spike is taken.

The REVROY Brand of tyre killer is a third-generation design which with its unique design combines a Fail-Safe Puncture tool built using a metallurgy of hardened carbon steel which deflates even third-generation run-flat-tyres (tube-less) effortlessly.

The Spikes have been designed to ensure that the tyres of an intruding vehicle are punctured irrespective of the direction of approach. It has been crash rated at Horiba MIRA, U.K. wherein all 6 of the tyres of a 7.2-ton truck were deflated instantaneously.

Special care is taken to ensure that the design encompasses the provision of drainage so that accumulated dirt, debris and water can drain out instead of blocking the tyre killer mechanism. The Inbuilt hydraulic hand pump gives the flexibility to deploy the device manually in case of power failure and secure the entrance.



Unlike Road Blockers & Bollards a Spike should receive utmost attention in its deployment. It is important to not install these Spikes near areas that have pedestrian movement. However, if the situation demands such an installation very high precaution must be adhered for the safety of humans in the vicinity.

Staggered or unpredictable patterns of placement also make them more effective.





In today's time and age, it is becoming increasingly common to deploy Spikes for facilities and buildings that demand security from the escalated vulnerability that they are exposed to and hence it is not uncommon to find them as part of even a city's security planning document, and are drafted as a compulsory fixture for many Government Buildings, Defence Installations, Data Centres etc.

The Tyre Shredders are manufactured also to suit specific requirements. We support our clients in delivering not just standard but also unique requirements by our ability to customise.

REVROY ANTI-TERROR HYDRAULIC SPIKE	
DESCRIPTION	PARTICULARS
MAKE	REVROY
MODEL NAME/NUMBER	RR-ATHS-100/100
SYSTEM TYPE	ACTIVE 2-WAY SPIKES
MECHANISM	ELECTRO-HYDRAULIC / ELECTRO-MECHANICAL
SPEED	1.5 SECOND (CUSTOMIZABLE)
RATED HEIGHT	150 MM
RATED LENGTH	4310MM
DISTANCE BETWEEN SPIKES	100 MM
RATED BLOCKING ANGLE	90 DEGREE OR 60 DEGREE (CUSTOMIZABLE)
HOUSING	GALVANIZED MILD STEEL BODY WITH RAL COATING
SPIKE MATERIAL	HIGH TENSILE CARBON STEEL
SAFETY DEVICES	SAFETY AGAINST VEHICLE: LOOP DETECTOR SAFETY AGAINST HUMAN: PHOTO SENSOR
IP RATING	IP 68
MCBF (MEAN CYCLE BEFORE FAILURE)	10 MILLION OPERATIONS
POWER SUPPLY	230 VAC, 50 Hz/415 VAC 50 Hz
DUTY CYCLE	100%
OPERATIVE MODES	PUSH BUTTON, ACCESS CONTROL, REMOTE CONTROL
OPERATING TEMPERATURE	-20 °C TO +70 °C
POWER FAILURE MODE	MANUAL OPERATION AVAILABLE
CERTIFICATIONS	CRASH REPORT FROM HORIBA MIRA, UK; ISO 9001: 2015





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