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## **Tyre Killer ( Model : BGI S4000)**



### **Product Specification:**

**Electro hydraulically operated Tyre-Killer** consisting of an underground casing in full core steel profile and heavy duty steel spikes determined to destroy tyres, suspension and axles of a vehicle in case of unauthorized intrusion.

The underground casing should consist of an all around closed sheet steel casing with concrete anchors. The solid blocking spikes are welded to the solid rotation axis in a distance of approx. 200 mm to each other. The axis should be connected with the hydraulic cylinder via a lever system.

- Blocking width 3 to 6mt
- Installation depth : approx 700 mm
- Blocking height of spikes above level should be min 475 mm



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- Fully raised blocking position of spikes should be at an angle of 60°

The top of the casing is designed to withstand a wheel load of 100 kN, according to DIN 1072.

The blocking spikes element is electro-hydraulically operated with an electric motor and adequate size (Approx. 2.2 kW, 3-phase-400V, 50 Hz).

The electro-hydraulic drive unit as well as the electrical PLC- control with Siemens / equivalent make control panel is installed in a weather-proof lockable steel casing with IP67 Class protection for outdoor installation

Operating: 1 no. push-button set „Up-Down“ (box type) to be located in the guard house or similar.

Operating time of the equipment: 2-3 sec

Power failure/emergency operation: By integrated hydraulic hand pump.

### Corrosion protection:

All steel elements galvanized + Spikes powder painted to red colors ( RAL 3000) .

	<b>Tyre Killer</b>
<b>Drive Unit</b>	Electro-hydraulic compact drive unit in a special lockable steel cabinet with ventilation. Steel cabinet with a fixing frame to be installed to a concrete base which is to be provided by the customer.
	Distance between steel cabinet to tyre-killer should be max 7mt
<b>Electric Motor Capacity</b>	Approx. 2.2 kW, 3phase-400V, 50 Hz
PLC (Programmable Logic Controller) type	Reputed Makes PLC AL2- 24MR-D 24V DC
Thickness of spikes	25mm thick steel
Power off condition	hand pump (Manual raising and lowering of block segment in the event of electrical power failure) pushbutton (a pushbutton panel is supplied to operate the tyre killer "OPEN/STOP/CLOSE" )



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Hydraulic power unit	HPU 50 bar unit for reliability and blocking strength Inductive proximity sensors with IP67 protection class and rated operating distance of 15mm
Hydraulic hose strength	350bar (35 MPa)
<b>Protection Class</b>	IP 55
<b>Blocking Spikes Element</b>	Consists of heavy duty special steel spikes, welded to a solid steel rotation axis. Centre to centre distance of spikes approx. 200 mm.
	The axis is connected with the hydraulic cylinders via a Special lever system.
<b>Underground Casing</b>	Solid welded steel casing with two outlets at the lowest point of the casing for drainage purposes. 2 nos. steel connection sleeves ND 100 as provision for plastic pipes to be provided by the customer as a link to the site drainage system.
	The top of the casing is equipped with steel cover segments which allow passage of even the heaviest vehicles.
	Wheel load 100 kN according to DIN 1072.
	The upper cover includes slits which are covered while the blocking spikes are in lowered position.