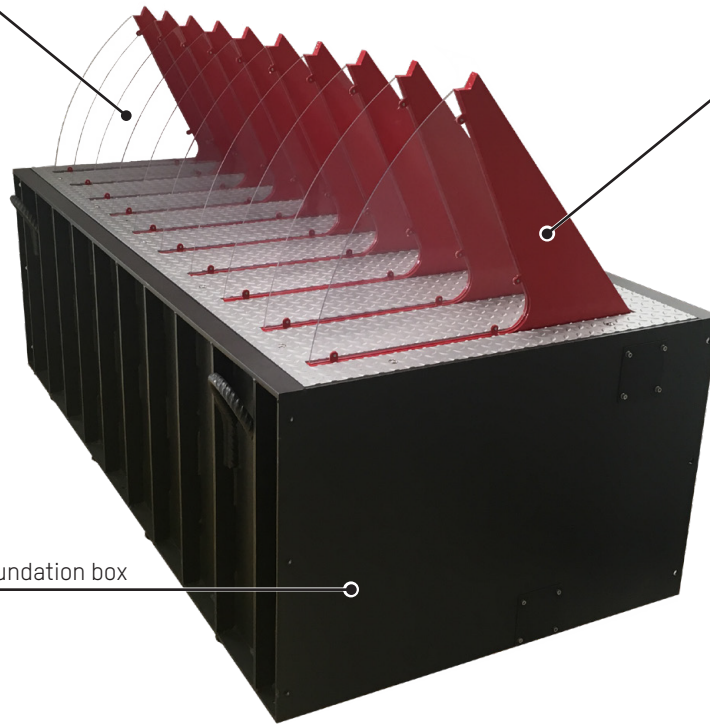


Safety
protection plate

Blocking spike

Foundation box



(Non-contractual illustration)

The **TYRE KILLER AUTO** is composed by heavy duty spikes that rise from the ground; it operates like an access control barrier, it prevents the passage of unauthorized vehicles or it allows the exit from a supervised area.

It can be installed with other access control elements (for example bollards, road blocker or gates) in order to achieve an access control check-point at the highest level of security. Many optional items are available for TYRE KILLER in order to configure each individual system.

CHARACTERISTICS

The **TYRE KILLER AUTO**, electrohydraulically operated, is completed with hydraulic pump in outside housing. It is an effective way to stop even wider vehicles than cars.

When closed, the tyre killer is totally hidden in the ground so it allows the drive to all vehicles; when raised, it can stop even great trucks at a speed of 80Km/h.

It is typically used for perimeter protection of military bases, embassys, government buildings, airports and some other important public service places, in car parking and a san anti-terrorist measure.



STANDARD TECHNICAL CHARACTERISTICS

Breakout resistance (type of vehicles)	3.5T at 64 km/h 7.5T at 48 km/h				
Breakout resistance	750.000 joules				
Power supply	230/400Vac (+/- 10%) - 50/60Hz				
Blocking spikes height from the ground	500 mm				
Tyre killer width	2000 mm	3000 mm	4000 mm	5000 mm	6000 mm
Maximum tyre killer dimensions (without blocking spikes)	2000 × 994 × 760 mm	3000 × 994 × 760 mm	4000 × 994 × 760 mm	5000 × 994 × 760 mm	6000 × 994 × 760 mm
Weight included 10m connection cable	1160 kg	1660 kg	2320 kg	2820 kg	3320 kg
Rising speed	11,1 cm/sec (Optional: EFO raising time 1,5 sec (2-3m) - 2 sec (4-5-6m))				
Lowering speed	11,1 cm/sec				
Ambient operating temperature	from -20°C to +70°C. (Please select the appropriate heating option to prevent the formation of ice)				
Frequency of use	2000 cycles/day				
MCBF (Mean cycles between failures)	3.000.000 cycles, in compliance with recommended maintenance				
IP rating	IP67				
Load class	D400				
Movement	Hydraulic				
Complies with European standards					

OPTIONS

AESTHETICS

- Anti-corrosion marine treatment. ⓘ

CONTROL

- Additionnal electric cables to connect the TK AUTO to the control unit (max 30m in total; 10m included in standard + max 20m as an option).
- EFO circuit for emergency rising.
- Additional security valve on the piston in order to block the mobile panel in the high position in case of pump pipe sabotage.
- N.O. solenoid valve on the pump for automatic lowering of the TK AUTO in case of power failure.
- UPS device 3.0kW – 3kVA for operation of max 1 TK AUTO (10 operations or 1 hour) in case of power failure.
- Emergency lowering in case of power failure - terminal block ready for the installation of a button (not included) on the control panel in the electrical cabinet (1 per electrical cabinet).
- Auxiliary pump (20 operations / hour in case of power failure) - equipped with 2 rechargeable 12V 12Ah batteries in case of power failure.
- Device for manual handling (rising/lowering) of TK AUTO in case of power failure (inside the electrical cabinet).
- Heating device (including transformer and thermostat - for operation up to -20°C).
- Heating device for the electrical cabinet for the control unit (including transformer and thermostat - for operation up to -20°C).
- Position information kit (return of a signal Up or Down).
- Floor-mounted electrical cabinet for the control unit in brushed stainless steel AISI 304 (instead of powder coated steel).
- Floor basement of the electrical cabinet for the control unit in powder coated steel.¹
- Floor basement of the electrical cabinet for the control unit in powder coated stainless steel.¹

- Finely structured matt powder coating (any RAL colour on request) of control unit housing.
- EuroLock profile EN 1303 on the electrical cabinet with the control unit.
- Kit with lighting & Shuko socket 230V in the electrical cabinet.

SIGNALIZATION

- Buzzer > 80dB.
- Traffic light Ø100mm - Red/Green (without post).
- Powder coated steel post for traffic lights (Ø105mm - height 3.55m).

AUTRES OPTIONS

- Presence sensor for safety one (or two)-channel inductive loops.
- Presence sensor for command one (or two)-channel inductive loops.
- Presence sensor for one-channel safety inductive loop and for one-channel command inductive loop.
- Cell phone activator for remote control (up to 900 connected cell phones).
- Weekly / Yearly timer programmer.
- Pressure gauge 0/250 bar with connection to show the pressure in the hydraulic pump.
- Kit to test and recharge the nitrogen pressure into the pressure accumulator.²

¹ This option is MANDATORY if the product is equipped with the device for manual handling.

² This option MUST be ordered with the EFO option (one unit per group of products installed at the same location is sufficient)

ⓘ Recommended for installations less than 3 km away from the sea or for location where de-icing salt is sprayed in the winter time.

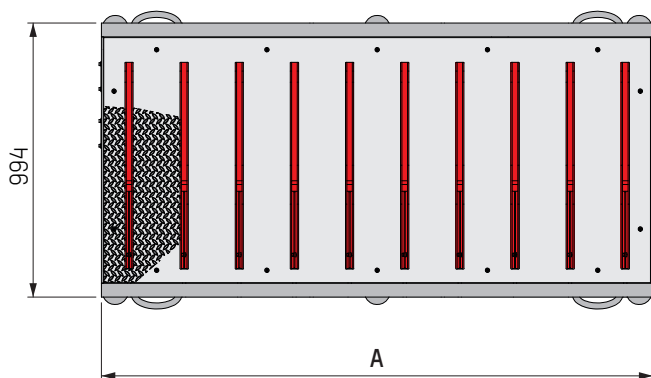
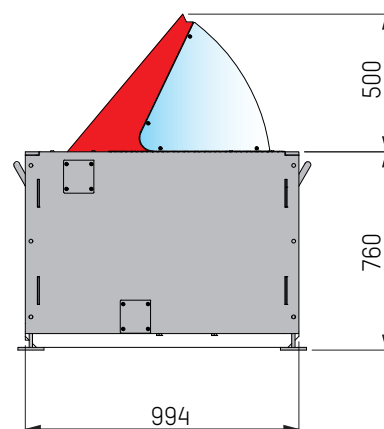
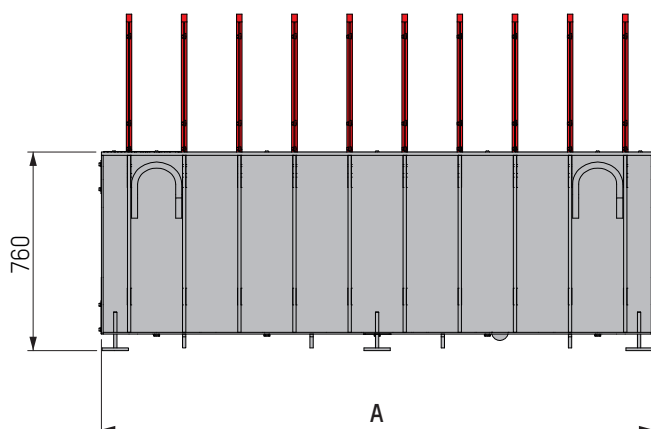
Note: For restrictions on options, please contact us.

WORKS TO BE PROVIDED BY THE CUSTOMER

- Concrete foundation and rebars supply.
- Drainage or connection to main drainage.
- Power supply.
- Electric connections with external peripherals.

Note: Follow the installation plan.

STANDARD DIMENSIONS



MODELS	A
TK AUTO_2000	2000 mm
TK AUTO_3000	3000 mm
TK AUTO_4000	4000 mm
TK AUTO_5000	5000 mm
TK AUTO_6000	6000 mm

Dig a pit with a **depth of 900 mm** and the following dimensions:

- **2 m version:** 1700 × 3000 mm
- **3 m version:** 1700 × 4000 mm
- **4 m version:** 1700 × 5000 mm
- **5 m version:** 1700 × 6000 mm
- **6 m version:** 1700 × 7000 mm

Headquarters
Avenue Mercator, 5
1300 Wavre - Belgium

✉ sales.asgroup@automatic-systems.com

☎ +32.(0)10.23.02.11

🌐 www.automatic-systems.com



TK AUTO-FT-EN-07