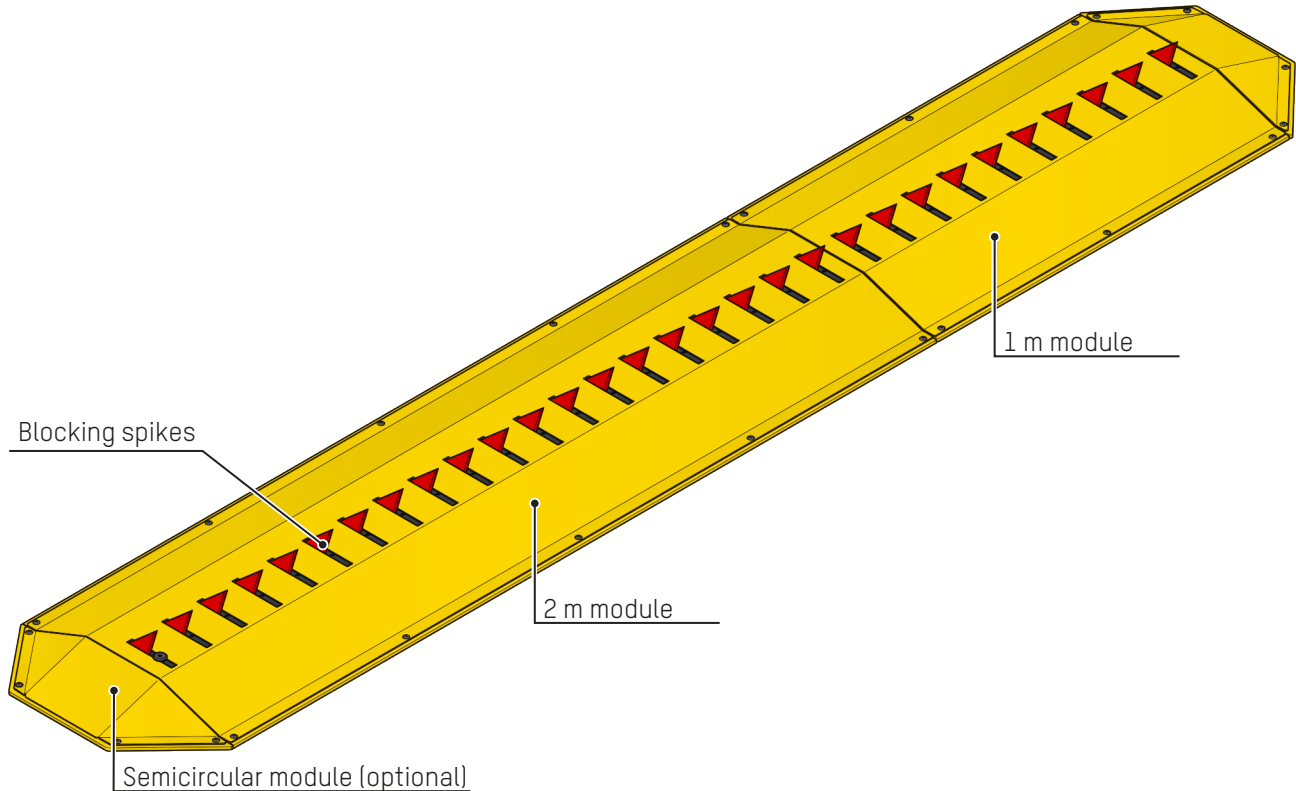


TK MAN

Datasheet

Rev. 06 • Update 11/2023

AS AUTOMATIC
SYSTEMS



(Non-contractual illustration)

DESCRIPTION

The **TK MAN** uses a simple mechanical movement with counterweight return. In the authorised direction, the spikes will move down with the vehicle weight and return automatically to the up position with the help of counterweight.

It is composed by heavy duty spikes that will rise from the ground level and operates like an access control barrier, preventing the passage of unauthorized vehicles in one direction.

The **TK MAN** will be used, for instance, to allow the free exit of vehicles from a supervised area and to prevent the entrance of vehicles in the other direction.

It is typically used for peripheral protection at the exit of production plants, administration sites, hotels, convention centers and similar.

It can be installed with other access control equipments (for example bollards, road blocker or gates) in order to achieve an access control check-point at the highest level of security.

Standard modules of 1 or 2 meters can be assembled in order to obtain any length required.

For instance, a 5 meters **TK MAN** will be assembled with two 2 meters modules and one 1 meter module.

Two semicircular finishing modules (optional items) are available to cover the ends of the tyre killer.

The tyre killer is surface mounted, meaning that it can be installed at road level and anchored by means of chemical anchors.

Note: Several optional items are available in order to configure each individual access.



STANDARD TECHNICAL CHARACTERISTICS

Height of spikes	61 mm				
Height of the tyre killer from the ground (without spikes)	71 mm				
Tyre killer width	2000 mm	3000 mm	4000 mm	5000 mm	6000 mm
Maximum tyre killer dimensions (including semicircular modules)	2490 × 630 × 71 mm	3540 × 630 × 71 mm	4590 × 630 × 71 mm	5640 × 630 × 71 mm	6690 × 630 × 71 mm
Weight	1 m module: 90 kg 2 m modul: 180 kg Per semicircular module: 10 kg				
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	IP 67				
Load class	C250				
Complies with European standards					

OPTIONS

- Electric blocking of the electro-piston for operation of the tyre killer in free transit in both traffic ways (command on the control unit in the electrical cabinet - cylinder in position 0 : tips down).
ONLY FOR OCCASIONAL BI-DIRECTIONAL USE ¹
- Emergency battery consisting of 2 rechargeable 12V 7Ah batteries for temporary operation of the blocking by electric piston in case of power failure.
- Kit of chemical anchors for the fixation of the tyre killer on the road surface.
- Kit of 4 chemical anchors for the fixation of the semi-circular terminal modules.

¹ This option require the kit of 2 modules for semicircular terminals.

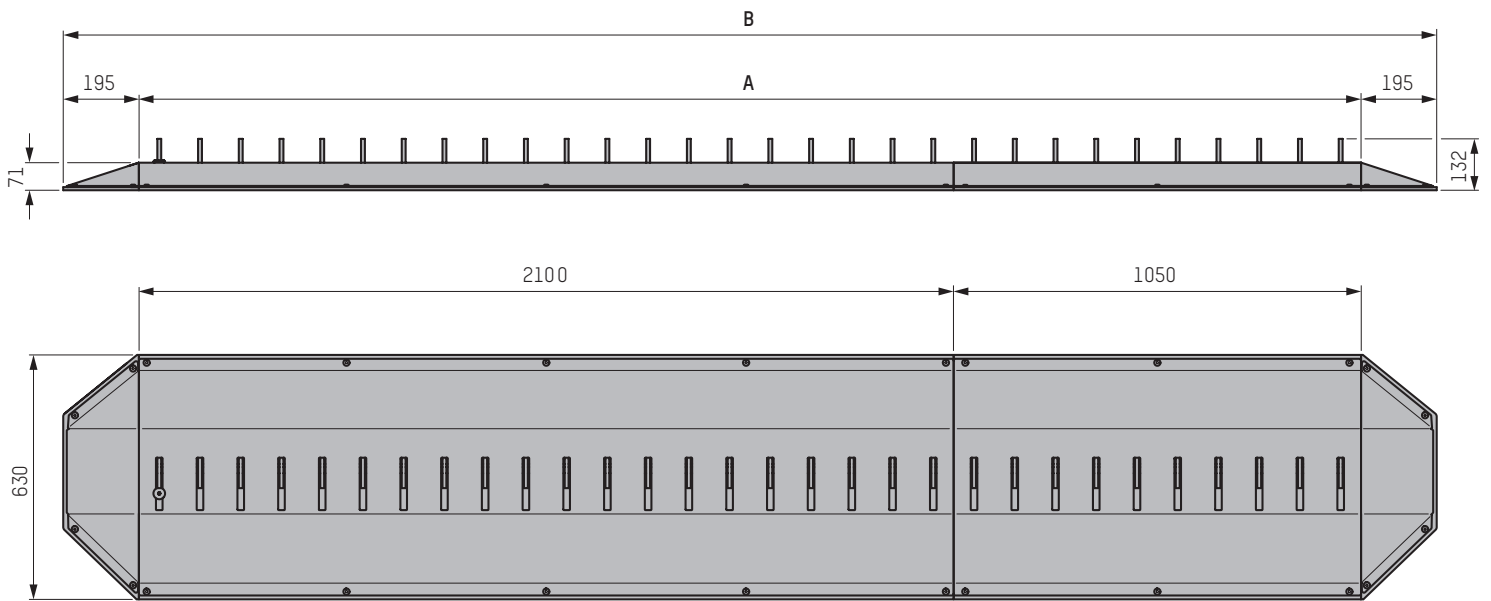
Note: For restrictions on options, please contact us.

WORKS TO BE PROVIDED BY THE CUSTOMER

- Drainage or connection to main drainage.
- Power supply (if blocking device).

Note: please follow the installation plan

STANDARD DIMENSIONS (MM)



MODELS	A	B
TK MAN_2000	2100 mm	2490mm
TK MAN_3000	3150 mm	3540mm
TK MAN_4000	4200 mm	4590mm
TK MAN_5000	5250 mm	5640mm
TK MAN_6000	6300 mm	6690mm

Dig a pit with a **depth of 200 mm** and the following dimensions*:

- **2 m version:** 700 × 2700 mm
- **3 m version:** 700 × 3700 mm
- **4 m version:** 700 × 4700 mm
- **5 m version:** 700 × 5700 mm
- **6 m version:** 700 × 6700 mm

* To ensure correct fixing of the chemical anchors, install the tyre killer on a concrete base. The fastening of the chemical anchors is not guaranteed on other surfaces (e.g. asphalt).

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