



Pneumatic Stainless Steel Tyre Killer

TW5500

TW5500 Pneumatic Stainless Steel Tyre Killer is widely used in highway toll station, checkpoints, prisons, airports, government buildings, embassies, military base-station, customs, ports, banks, industrial and mining companies, warehouse, parking and all requested places to control vehicles in and out.

Operator sends instructions through a control system and the motor drive makes the stop device of the vehicle drop rapidly. After the Vehicle has passed, the Tyre killer can be rapidly increased by the Operator's remote control or manual button operation.

Configuration

The equipment is mainly composed of three parts, which are mainframe, motor control box, electric control :-

1. Mainframe

Retractor mainly by the flip body, frame composition (anti-collision teeth can be adjusted according to customer needs height). Machine is the steel structure, and it is made of GB A3 steel blade, with high strength load-bearing and crash resistance; body without electricity, no line set, waterproof, safe. The device is buried in the lane or the designated location of the door, to limit the vehicle traffic.



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2. Electrical integration remote control device box:

The control box is mainly composed of the motor, the reducer, the gear transmission group, the connecting device, the limit switch and so on. It is the power source of the whole choke system. The device is installed on the side of the choke, Can be changed by electronic control rising and lowering speed), power failure can be manually put anti-collision tooth nails, can also be manually raised.

3. Electrical control system:

Automatic electronic control part: control board, sub-control board, leakage switch, no contact noise high life contactor, precision start time setting (anti-motor stroke in place after the impact force, increase the life of motor), can be set automatically (From the ground to the coil).

Advantages

- Fast speed up&down, Low Noise Lifting time up to 1 ~ 3s seconds and can be adjustable, it's far greater than the same specifications of other manufacturers of car stop, which is extremely valuable. Because it uses the motor drive unit, action up, soft and calm, a good solution to the traditional motor, pneumatic lift noise problems due to pump work .
- Agility Control unit using multi-function logic controller, it can adjust a variety of different functional modes to meet the different needs of different users in the function. In addition, it is worth mentioning that the movement of the adjustable stroke timing design, the user can freely control the height of the spikes, effectively save energy consumption.
- Unique structure The core part of the motor unit and the mechanical power mechanism as a one-piece design, which can effectively transfer the mechanical energy to the motor drive unit, the action is efficient. The unique design of the motor unit achieve the pressure of the helicopter, performance excellence, in the same field at home and abroad is very rare.
- Safe and reliable When the case of power outages and other emergencies, the manual operation can be an emergency drop, block the teeth can be dropped to open the channel to release vehicles. The upper and lower parts of the internal fixing mechanism are respectively equipped with current sensing sensors and electromagnetic sensors, thus realizing the effective limit of overcurrent protection and operation of the power unit, and the operation is stable and reliable.



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- Economy As a result of their own motor drive mode, environmental protection and energy saving, low consumption, lower failure rate, longer life, reducing maintenance costs. In addition, the use of non-traditional steering mechanism design, installation and maintenance, more simple and quick.

Specification

Verification	
Control System	Electric
Power	220v (three phase four wire)
System	Power 500w
Weight capacity	100T
Opening time	1-3 (can be adjustable)
Closing time	1-3 (can be adjustable)
Remote control distance	>100m
Blade height	128 + 5mm
Operating temperature	-35°C ~ 75°C
Storage temperature	-40°C ~ 75°C, waterproof, dustproof
Color	Yellow and black
Body Size	The width of interceptors 3000-16000mm (customized according to customer requirements), the height of clamshell 128 + 5mm, the height and length of the size can be customized according to customer needs.

Features

- Durable, Operate Smoothly, Low Noise Fast speed, long life-time.
- Micro-control technology makes system stable and reliable, Easy integrate into other systems.
- Compatible with road barrier, turnstiles and other access system control to achieve automatic control.
- Advanced and mature low-speed motor drive technologies, high reliability, security and stability.



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- Manual system device, meet anti-fire management's requirements(optional).
- In the case of a power failure or in the event of system broken-down, if the car is in the rising state of the need to fall,you can manually operate the lifting blocker teeth back to the horizontal position, so that vehicles pass; if the car is in the closed state needs to be lowered, you can manually operate, the car can be raised to prevent the vehicle.
- Remote control device Remote control device:Remote control system realize wireless control up & down within 100 meters range. Manual button device: by the manual switch button in the control box.

Optional functions:

- Swiping card system: Built-in card reader to control bollards up&down.Barrier and car stop linkage: with barrier (block device) / access control, can achieve barrier, access control and carlock linkage Connect to the computer tube buried system or charging system: can connect tube embedded system and charge system, computer unified control.
- Convenient maintenance: When the structure fails or the body is overhauled, the motor control box can be opened, and the corresponding operation can be carried out.

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