The TALON BARRIER offers a secure vehicular access control solution together with a visual deterrent to any would be criminal.

- Designed for ultra-reliable performance
- Exported worldwide

**APPLICATIONS**
- Suited for applications requiring high volume access and high levels of security
- Used extensively in applications such as parkades, residential estates, office parks, mines and high security installations

**DESIGNED FOR**
- Interior and exterior installations
- Severe operating conditions

**AVAILABLE CONFIGURATIONS**
- With 2.5m, 3m, 3.5m, 4m, 4.5m, 5m, 5.5m and 6m barrier arm and spike rack
- Round or octagonal powder coated aluminium barrier arm
- Recessed and surface mount spike rack design
## Unique features of the TALON BARRIER Automatic Tyre-Spike Vehicle Barrier

### XTRALIFE® MECHANISM
- Ultra-heavy duty electromechanical mechanism
- Designed by professional engineers
- Tried, tested and perfected over a period of more than 20 years

### RELIABLE TECHNOLOGY
- Two 100% duty geared torque motors – consistent and long lasting operation
- Double buffered mechanism lowers mechanical stress which means longer operational life
- Heavy duty deep groove ball bearings
- Tension spring counterweight system with self lubricating industrial plastic bush
- Microprocessor combined logic and loop detector

### DURABLE FEATURES
- Barrier arm and spikes are driven by two separate motors – removing the need for long linkages which are prone to failure
- Three stage interlinked opening and closing procedure – preventing mishaps where a vehicle drives underneath the barrier arm before the barrier arm is in the raised position and before the spikes have lowered fully
  - Opening procedure – the spikes lower, the barrier arm raises and the traffic light changes to green
  - Closing procedure – the traffic light changes to red, the barrier arm descends and the spikes raise
- Patented unique double sided spike feature – provides protection for traffic in any direction
- Vehicle barrier cabinet, spikes and spike rack supplied in a combination of various coated and uncoated stainless steel materials – offering high levels of corrosion resistance for ultimate longevity
- Factory settings need no further adjustment
- Designed for the harshest of conditions
- Unaffected by dust, dirt and moisture

### GUARANTEED MANUFACTURED TO LAST
- 12 month mechanical and electrical guarantee

## TYPICAL INSTALLATION OF A TALON BARRIER AUTOMATIC TYRE-SPIKE VEHICLE BARRIER

1. Power and data connections
2. Infrared beam detector
3. Safety / Closing loop in the roadway
4. Car gooseneck with rain cover

![Diagram of TALON BARRIER Automatic Tyre-Spike Vehicle Barrier installation](image-url)
Technical Specifications

| POWER | 220 Volt AC |
| FREQUENCY | 50Hz |
| POWER CONSUMPTION | 160W |
| CABINET WEIGHT | 80kg (excluding barrier arm) |
| BARRIER ARM WEIGHT | 0.9kg per metre |
| RACK WEIGHT | Recessed design 30kg per metre | Surface mount design 60kg per metre |
| SYSTEMS INTEGRATION | • Integrates will all access control and time & attendance systems  
| | • Triggered through a normally open dry contact |
| BARRIER ARM OPERATING TIME | Barrier arm length | Raise (seconds) | Lower (seconds) |
| | 3m | 2.2 | 2.4 |
| | 4m | 3.2 | 3.3 |
| | 5m | 3.3 | 3.4 |
| | 6m | 3.4 | 3.4 |
| SPIKE OPERATING TIME | 2.5 seconds |

Manufacturing Options

| RACK DESIGN OPTIONS | • Recessed design  
| | • Surface mount design |
| BARRIER ARM OPTIONS | • Round barrier arm 76.2mm outside diameter, 2.5mm wall thickness - with red reflective stripes  
| | • Octagonal barrier arm 90mm x 46mm, 1.5mm wall thickness - with red reflective stripes |
| LOGIC CONTROLLER OPTIONS | • Combined logic and loop detector (once connected to a loop, it can be connected to an IR beam detector as well)  
| | • Combined logic and IR beam detector  
| | • Loop detector only  
| | • Push-to-open, push-to-close latching control panel  
| | • Selector switch relay control panel |
| SAFETY ACCESSORIES | • 1.5mm² single flex wire for the loop installation (100m roll)  
| | • IR beam transmitter and receiver / reflector |
| ACCESSORIES | • Traffic robot (incandescent light bulb type)  
| | • Traffic robot (LED type)  
| | • Single or double pushbutton in plastic housing  
| | • One button or three button remote control transmitter and receiver  
| | • Card drop box (patent pending design)  
| | • Reader and camera mounting boxes and posts (to customer specifications)  
| | • Multiple coin acceptor for pay-for-entry systems  
| | • LCD transaction counter with reset keyswitch |
| GOOSENECK OPTIONS | • Car gooseneck with base plate and front mounting plate (1 100mm high)  
| | • Car / Truck gooseneck with base plate and front mounting plates (1 100mm and 1 830mm high)  
| | • Raincovers manufactured to customer specific requirements |
| BARRIER ARM MOUNTING & SPIKE ORIENTATION | • Left handed (factory standard)  
| | • Right handed |
| BARRIER ARM ACCESSORIES | • Articulated arm kit (jack-knife) for round and octagonal barrier arms - for low height clearance installation  
| | • Folding aluminium skirt  
| | • Break-away arm for octagonal barrier arm (microswitch can be added for alarm trigger) |
| CABINET FINISH OPTIONS | • 3Cr12 stainless steel with UV resistant exterior powder coat finish (white bottom with blue top) ▲  
| | • 304 grade brushed stainless steel  
| | • 316 grade brushed stainless steel □ |
| ▲ other colours available on request  
| □ suitable for corrosive environments (details available on request) |

3Cr12 vs mild steel

TURNSTILES.us has chosen to manufacture all standard vehicle barrier cabinets from powder coated 3Cr12 stainless steel. 3Cr12 stainless steel is a superior alternative to coated mild steel and atmospheric corrosion testing of 3Cr12 stainless steel has found an improvement of up to 250 times the life of unpainted carbon steel in marine environments. 3Cr12 also minimises under-paint corrosion which can leave you with an eyesore at the entrance to your parking area. Beware of mild steel cabinets sold by lesser manufacturers.

MILD STEEL WITH UNDER-PAINT CORROSION

Eventually all the paint will peel off and the entire cabinet will become corroded.

www.TURNSTILES.us / www.entrapass.com / 8641 S. Warhawk Road, Conifer, CO 80433 / 303-670-1099
**OPTIONS**

**TALON BARRIER WITH RECESSED RACK**

**DOUBLE SIDED SPIKE - PROTECTION FOR BOTH DIRECTIONS**

**RECESSED DESIGN**

**SURFACE MOUNT DESIGN**

Right handed option also available. Talon rack may be supplied in other colours.

- Sole supplier of turnstiles to the ICC Cricket World Cup 2003
- Sole supplier of turnstiles to the CAF African Cup of Nations, Ghana 2008
- Sole supplier of turnstiles to the Green Point, Soccer City, Ellis Park, Loftus Versveld, Royal Bafokeng, Bloemfontein, Nelspruit and Polokwane South African National Football Stadiums