

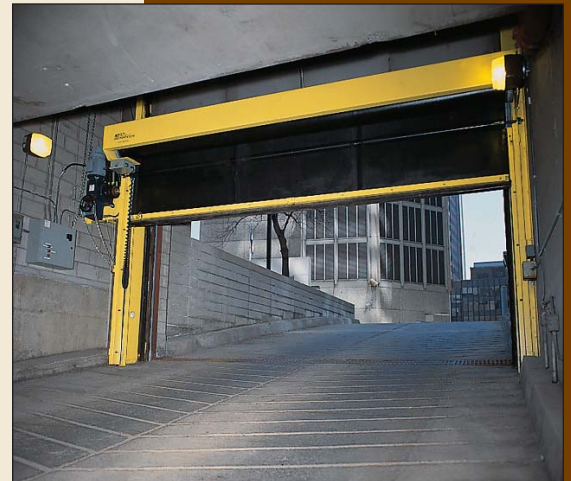
# SHAVER

INDUSTRIES INC.

## SHAVER Tech-Roll Series High Speed Rubber Doors for Extreme Applications

### Applications:

- Manufacturing and construction
- Distribution and warehousing
- Oil and gas, mining and smelters
- Steel production and foundries
- Railway, airports and military
- Waste management operations
- Food production plants
- Parking garages, municipal yards and bus transit stations



- *Operates in harsh environments (dirt, dust, extreme temperatures, rain, snow)*
- *Withstands impact, high pressure, and high wind load*
- *Ideal for high traffic and continuous flow demands*
- *Minimal maintenance, very reliable, outstanding durability*
- *Door sizes up to 40' x 40'*



Ideal for parking garages, the Shaver Tech-Roll High Speed Rubber Door Series operates in temperatures from -40°C to 85°C



The curtain has a tensile strength of 2000 psi, allowing for a rugged operation



Available in sizes up to 40' x 40'

## SHAVER TECH-ROLL HIGH SPEED RUBBER DOOR SERIES

### Efficient, Durable, Dependable

The Shaver TECH-ROLL High Speed Rubber Door Series have proven itself with many high-profile clients in Canada. Its unique design and capabilities will add to your bottom line.

#### Main Features

- After impact, the door quickly re-installs itself into the guides – no need to service the doors in order to continue operation
- Fast action, spring-free doors require minimal maintenance
- Fully automated with PLC (Programmable Logic Control) and variable speed drive
- Conserves energy
- Less downtime and fewer delays caused by expensive repairs and service calls
- Hand chain hoist with disconnect switch in case of electrical outage
- Security and safety for the end user
- Standard soft bottom bar
- Fire-retardant MSHA curtain, available upon request
- Doors are available in black, blue and grey
- Custom-made to fit your dimensions and specifications
- All TECH-ROLL products meet the Canadian Food Inspection Agency standards

#### Control Panel

Meets CSA standards, complies with architectural specifications, and is equipped with:

- High-quality starter/reverser
- Cycle counter
- Three push-buttons on the front
- Door close timer
- Operating timer



#### PLC (Programmable Logic Control)

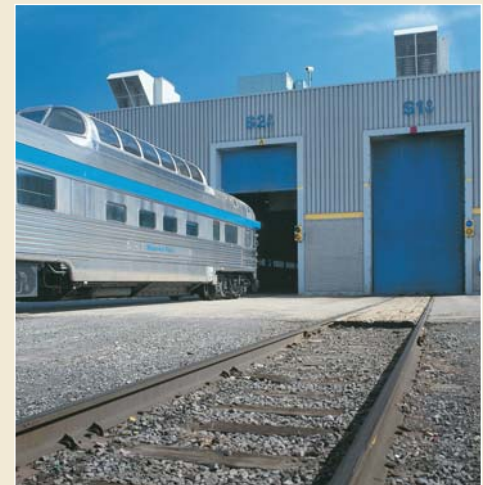
- Computerized diagnostics of the electrical system and its components
- Trouble-shooting display
- Pre-programmed for optimal use
- Additional contacts for auxiliary systems
- Available on all TECH-ROLL doors

#### PLC with Variable Speed Drive

- Allows modification of door speed without mechanical modifications
- Opening speeds of up to 100"/sec and a closing speed of 32"/sec mean greater security and safety for the end user
- Soft START/STOP for durability and efficiency

#### Accessories

- Vision panels
- Bottom safety edges
- Programmable microwave motion detectors
- Non-contact photoelectric cells
- Traffic signals
- All types of access controls
  - Loop detectors
  - Card readers
  - Master key system
  - Drawbars
  - Remote controls



**“ Shaver Tech-Roll doors meets the demanding requirements of our mining operations under extreme temperature conditions and high wind loads.”**

*A satisfied customer in Northern Ontario*

## TECH-ROLL ULTRA 6000

This model is equipped with a motor to provide high-speed door opening, a break through and self-install feature as well as a closing mechanism.

### Motor Control

The door operates at a speed of 24-60" per second and is designed for continual use and ease of maintenance. The motor control (IGH) includes:

- Heavy-duty industrial-type motor with helical reducer
- Brake motor
- Patented safety clutch system with torque limiter
- Limit switch attached directly to the main shaft to allow for better control
- Coupled with a high performance helical-type bearing reducer bathed in oil

### Recommended Use

- For heavy-duty applications requiring very high operating speeds
- Suitable for all industry sectors requiring high frequency applications
- Ideal for parking lots, warehouses, and areas with high vehicle traffic
- Anywhere usage intensity would be too high for a standard-type door

## TECH-ROLL 1800

This model is equipped with a very economical motor, a break through and self-install feature as well as a closing mechanism.

### Motor Control

The door operates at speeds of 12-24" per second and is designed for continual use and ease of maintenance. The motor control (IGH) includes:

- Heavy-duty, economical motor with worm screw reducer
- Mechanical brake (brake motor option also available)
- Torque limiter
- Limit switch (directly connected to the operator)
- Coupled with a high-performance reducer with worm screw gears bathed in oil

### Recommended Use

- For medium to heavy-duty applications
- Ideal for railway and mining industries, smelters, foundries, etc.
- Perfect replacement for conventional-style doors

## TECH-ROLL ULTRA 6000 and 1800 Standard Specifications

■ The door curtain is manufactured from SBR black, EPDM blue or grey rubber. It is 1/4" thick with a heavy duty polyester reinforcement laminate. The curtain has a tensile strength of 2000 psi. This ensures a rugged operation and flexibility in a temperature range of -40°C to +85°C.

■ The "Double Seal" endlocks (edge that holds the curtain in the vertical guides) have two sealing ridges that prevent air infiltration under positive or negative pressure. They are made from EPDM rubber with continuous Teflon strips that are vulcanized and chemically bonded to form an integrated unit. This makes for a curtain that is both durable and weather-tight and has an exceptionally smooth operation.

■ The bottom bar is constructed of standard structural steel, finish painted in security yellow (other colours available on request). It is equipped with a centre-mounted pintel hinge with shear pins, which allows the bottom bar to fold away from the point of impact and break away from the vertical guides. This permits the curtain to safely leave the guides, thus minimizing damage to the vehicle and the door. It also facilitates reinstallation of the curtain into the guides. Under certain extreme wind conditions, wind bars can also be installed.

■ The vertical guides are made from structural and formed steel. The guides are hinged along the vertical axis and are held closed by calibrated compression springs that allow the guides to open under impact, thereby releasing the curtain with minimal damage.

■ Torsion springs (100,000 cycles) are mounted on the outside of the main C-channel cross member, permitting easy access for maintenance. The springs are mounted on a 32 mm (1-1/2") cold rolled steel shaft which is attached to the cross member by Pollard bearings.



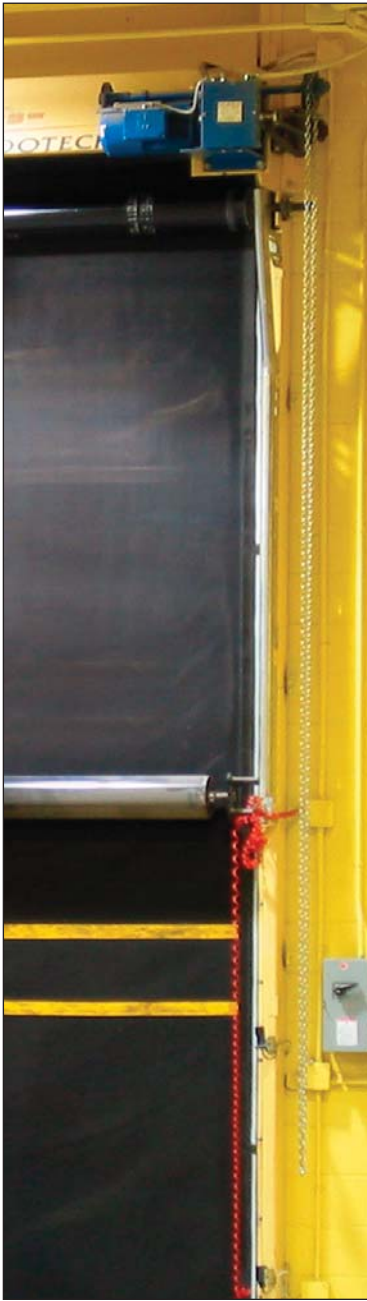
*Ideal for municipal yards and transit stations*



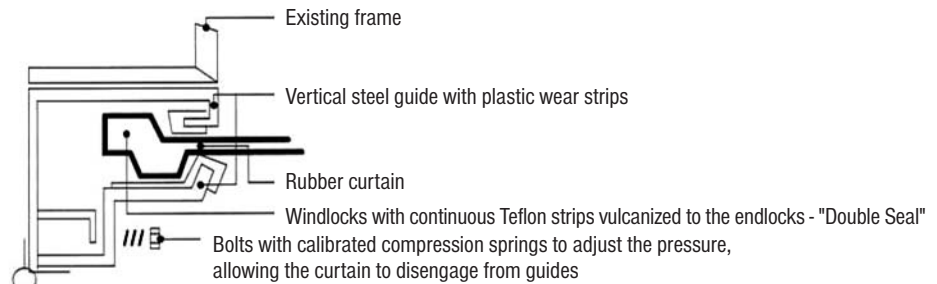
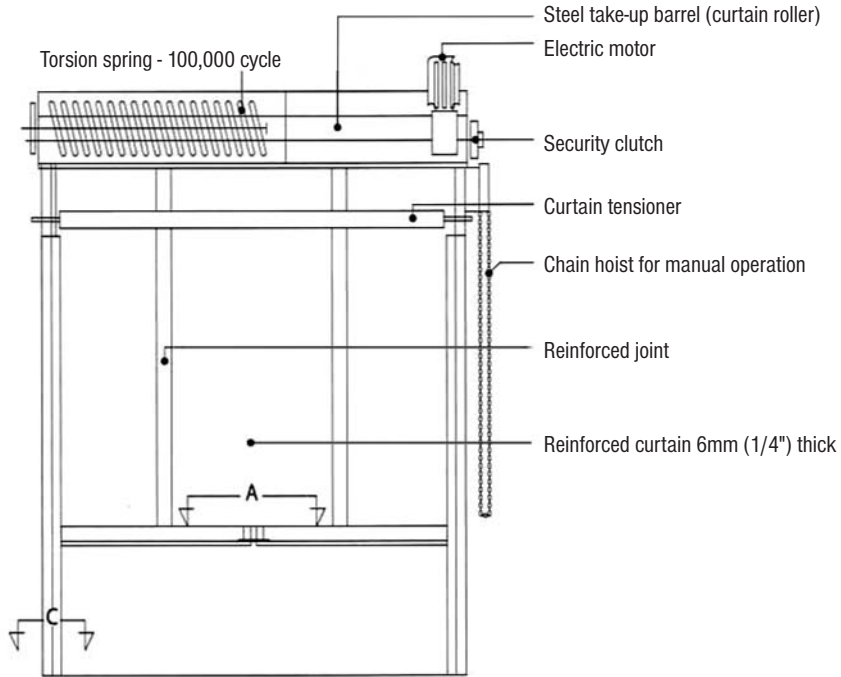
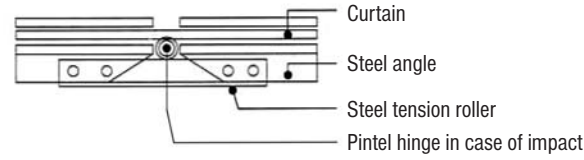
*Proven performance in extreme conditions*



*Weather-tight operation helps to keep the elements outside*



## TECHNICAL DESCRIPTION



**Hinge to permit the opening of the guides and the safe release of curtain under impact**

*We offer a complete line of environmental and machine protection systems, including installation.*



Power Roll Up Curtains



Partitions & Enclosures



Noise Abatement Solutions



Fabric Curtains



PVC Strip Curtains



Way Cover Repair



Custom Fabric Bellows

# SHAVER

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