Operate your gate system only when all necessary entrapment protection devices are connected and working properly. Examples of these devices include:

Sensing edges

GUIDE

AMSAQ

BE AWARE:

Review the illustrations found in this brochure for more information and safety requirements.

Make sure your gate system is installed and

maintained according to the manufacturer's

installation instructions. Make sure your

installer adheres to UL 325 and ASTM F2200

standards discussed in this brochure and in

the Important Safety Instructions found in the

operator's manual.

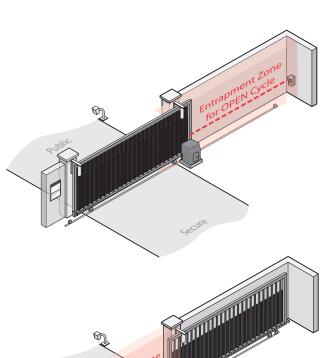
DO:

- - Photoelectric sensors (e.g. photo eyes)

- to cover these pinch points.
- A swing gate's opening mechanism may have arms that can overlap with a scissoring effect, which can result in serious injury. Make sure pedestrians stay clear of the gate path and the opening mechanism, especially when the gate is in motion.

CRUSH HAZARDS:

- **PINCH POINT HAZARDS:** • In open roller slide gates, severe injury can occur when hands and fingers get caught in the slide gate rollers. Feet can be injured between the bottom of the gate and bottom rollers. Make sure roller guards are installed



HORIZONTAL SLIDE GATE SYSTEM:

BE SAFE!

test your gate system. leaves the site, take a few minutes to inspect and to avoid serious injury or death. Before the installer ment protection devices that need to be in place industry safety standards and identifies entraptomatic gate operators. This brochure highlights potential hazards associated with gates and ausite design, installation and maintenance reduce it is imperative that you understand how proper these machines can produce high levels of force, convenience and security. However, because Automated vehicular gate systems provide user

- Make sure your gate operator is grounded.
- twice to test it. Switch is located and cycle the gate once or Ask the installer where the Emergency Stop
- manually open and close the gate. Learn how to turn power ON and OFF and
- you that they are working properly. Ask your installer to perform tests and show Inspect the entrapment protection devices.

НТАЗО ЯО УЯULNI CAUSE SERIOUS ΝΑΟ ΞΤΑΘ ΘΝΙΥΟΜ Α

pliance. For reference, UL 325 and ASTM F2200 brochure show the basics for gate system comlocal codes. The illustrations and callouts in this fic must comply with certain safety standards and construction of automated gates for vehicular trafsupplied in this brochure. NOTE: The design and details and safety considerations than can be your gate operator's manual as it provides more to read the Important Safety Information found in priate steps to reduce the risk of injury. Be sure tomated vehicular gate system and take approaware of potential hazards associated with an au-It is the owner's and user's responsibility to be

requirements are called out where applicable.



• YT33AS

Vistem Safety

An Automatic Decision

.b9su a continuous pressure activation device is being occurs, the gate operator will not tunction unless devices must be monitored for presence. If a fault NOTICE: All external entrapment protection

.etnements. with gate and gate operator safety standards and is to provide guidance and help familiarize you should be implemented at your site. Its purpose of safety and general design considerations that Vehicular Gate System and provides an overview This brochure accompanies your Automated

.relleted installer. reference. If you have any questions, talk to your Review this brochure carefully and keep it for

January 1, 2020

consult with your qualified installer for additional information.

operator's manual, follow manufacturer's requirements, and situations or compliance issues. Be sure to read your gate

Disclaimer: This brochure cannot cover all possible site

ASTM F2200: www.astm.org

moo.smasb.www :AM2A0

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MEBSITES:

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Automated Vehicular Gate Standards,

Underwriters Laboratories: www.ul.com

on power, and manually operate the gate.

Learn how to reset the gate operator, turn off/

operational tunctions of the gate operator.

gate stops and reverses upon striking an object.

obstruction sensing features) to make sure the

all features (entrapment protection devices,

worn or damaged parts. A smooth running gate

how to turn off power and move the gate by

(Refer to the gate operator's manual to learn

close the gate to make sure it travels smoothly.

in accordance with the manufacturer's

Check all entrapment protection devices

installer about a service agreement. On a regular

nanufacturer's

INSTALLATION & MAINTENANCE

PRECAUTIONS FOR GATE SYSTEMS:

Body parts may become entrapped between

a gate and a stationary object when the gate

moves, which can result in serious injury or death. Make sure pedestrians stay clear of

the gate path and areas where gate motion

schedule and ask your qualified

ENTRAPMENT ZONE HAZARDS:

is close to stationary objects.

recommended

O Check that the gate is level. Manually open and

recommended maintenance schedule.

V Tighten any loose fasteners and replace any

Oreck the gate hardware on a regular basis.

Petore the qualified installer leaves the site, test

prolongs the life of your gate operator.

Make sure you receive instructions on all

@ 2020 DASMA

Follow ASTM F2200 standard for automated gates. Where applicable, these include the following:

Slide Gates:

- Covers for all exposed weight bearing rollers and pinch points that exist less than 8 feet (2.5 m) above grade.
- Fallover protection to prevent the gate from falling when gate is detached from supporting hardware.
- Physical gate stops to avoid over-travel in both directions.
- No protrusions along the bottom of the gate.
- Protective screen mesh to guard openings from the gate's base support to a minimum height of 6 feet (1.8 m) above the ground. This must prevent a sphere of 2¹/₄ inches (57 mm) from passing under or through any opening in the gate or adjacent fence (the portion covered in the gate's open position.) Refer to the illustrations.

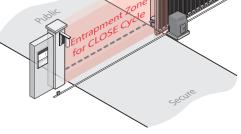
Swing Gates:

- No protrusions along the bottom of the gate.
- Fall-over protection to keep the gate from falling when gate is detached from supporting hardware.

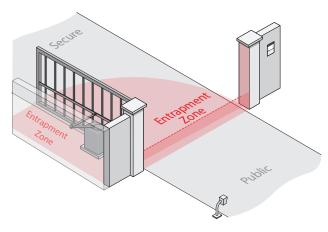
In picket gates, body parts positioned between the bars can become seriously mutilated when the gate begins to move, which can result in serious injury or death. Make sure openings are covered or screened and gaps are filled to prevent persons from reaching through, and/or passing through, the gate.

SAFETY CHECKLIST:

- Automated gates are for vehicular use only; provide and maintain walkways and signs to direct pedestrians to a separate walk-through entrance.
- Clearly display WARNING SIGNS on both sides of the gate in clear view of vehicles.
- Never let children operate or play with gate controls.
- Keep all remote controls, especially radio transmitters, away from children. DO NOT allow children to play on or around the gate or gate operator.
- Make sure all access control devices are mounted at least 6 feet (1.8 m) away from any moving parts. Create a safe design where a person need NOT reach over, under, through or around the gate to operate the access controls.



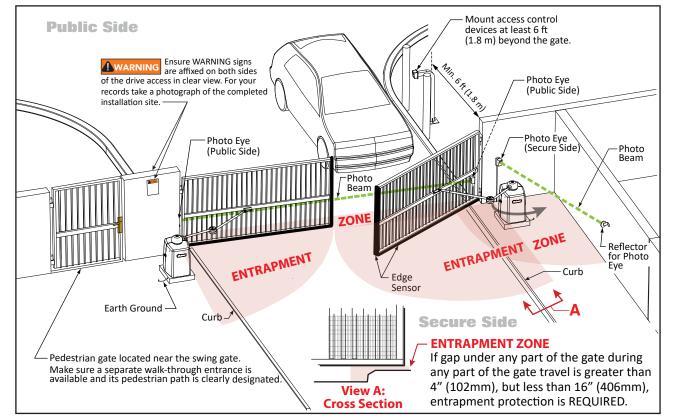
SWING GATE SYSTEM:



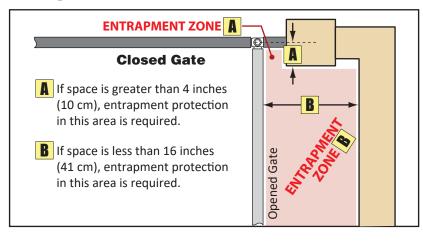
Swing Gate Requirements

Only install the operator on gates used for vehicular traffic. Be sure to direct pedestrians to a separate

entry and exit. Refer to the illustrations. The gate site must be designed so persons do not come in contact with the vehicular gate while it is moving. Signs must be posted to warn pedestrians to stay clear of the gate's entire travel path. A separate pedestrian entry/exit must be clearly visible and promote pedestrian usage.

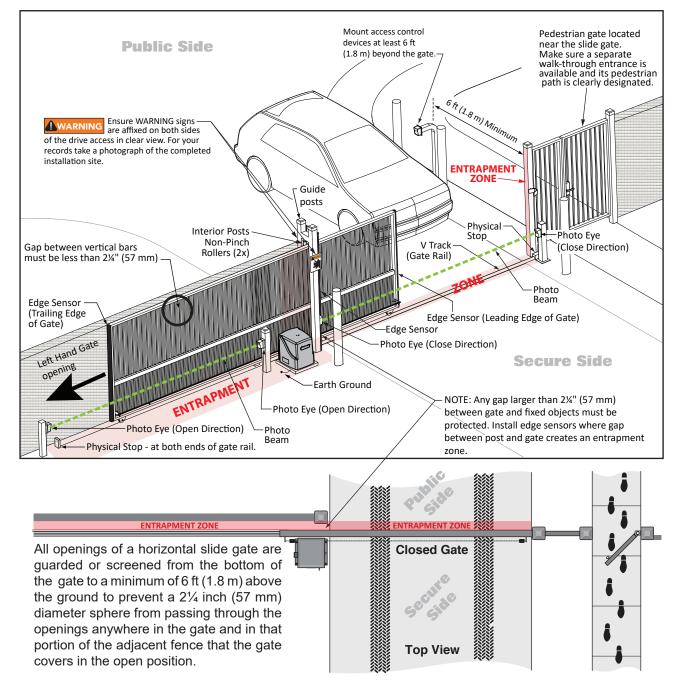


Hinge Mount Location: Entrapment Considerations



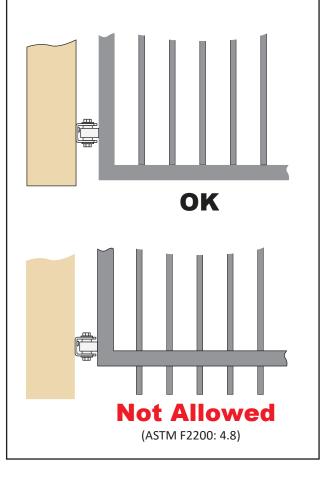
Slide Gate Requirements

Only install the operator on gates used for vehicular traffic. Be sure to direct pedestrians to a separate entry and exit. Refer to the illustrations. The gate site must be designed so that persons do not come in contact with the vehicular gate while it is moving. Signs must be posted to warn pedestrians to stay clear of the gate's entire travel path. A separate pedestrian entry/exit must be clearly visible and promote pedestrian usage.



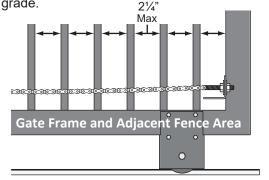
Base of Swing & Slide Gates:

Gates must have smooth bottom edges, no protrusions should exist. If gate hardware or sensors protrude, they must have smooth surfaces free of any sharp cutting edges that do not exceed $\frac{1}{2}$ inch (13 mm) beyond the base of the gate.



Compliant Openings: Picket Spacing

Gap between vertical bars must be less than $2\frac{1}{4}$ inches (57 mm) up to a height of 6 ft (1.8 m) above grade. $2\frac{1}{4}$ "



Screened Wire Mesh

In the illustration below, the gap between vertical bars is non-compliant. It poses a safety hazard if it is wider than $2\frac{1}{4}$ inches (57 mm).

A screened wire mesh has been added to comply

