

# Installation Instructions

## GuardShield Light Curtain Weld Shield

**IMPORTANT: SAVE THESE INSTRUCTIONS FOR FUTURE USE.**

### Description

The GuardShield weld shields are sold as pairs in the same lengths as the protective heights of the GuardShield safety light curtain.

These polycarbonate weld shields are designed as disposable devices whose purpose is to protect the front window of the GuardShield from damage.

### Installation

It is necessary to attach Velcro strips adjacent to the inside curved area on each side of the weld shields as shown in Step 1 of Figure 1, before attaching the weld shield to the GuardShield housing (Step 2).

- Begin by peeling back and removing the protective liner from the inside of the weld shield.
- Select a piece of Velcro and remove the backing to expose the adhesive layer.
- Carefully place and firmly press each Velcro strip along the curved edge of the weld shield as shown in Figure 1. Locate the Velcro strips at the ends of the weld shield and then equally space the remaining Velcro strips over the length of the weld shield.
- After attaching the Velcro strips to the weld shield, remove the backing on each, exposing the adhesive and carefully place the weld shield over the front of the GuardShield transmitter or receiver (Step 2).
- Assure that all Velcro strips are clear of the front window.
- Firmly press on the weld shield at each area where there is a Velcro strip to assure good adhesion of the Velcro to the housing.
- Remove the protective coating from the front of each weld shield prior to installing and powering the GuardShield light curtains.

**Important:** Each weld shield reduces the maximum scan range of the GuardShield by 10%. For example, two weld shield's (one for transmitter and one for receiver) would reduce the maximum scan range of a 14mm (0.02in) resolution GuardShield from 7m (22.9ft) to 5.7m (18.7ft).

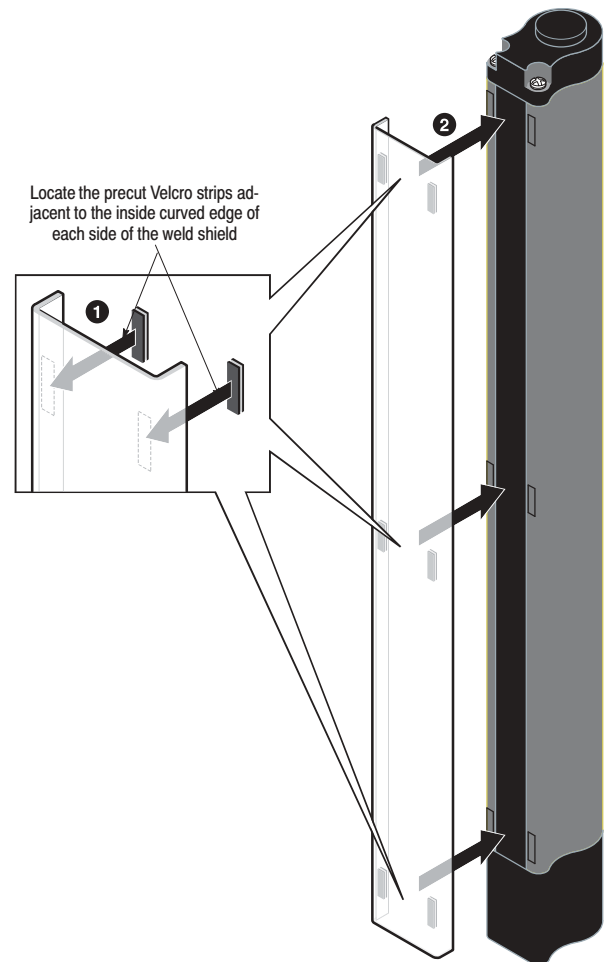
### Cleaning

Use a soft lint free cloth and mild soap or detergent (i.e., 409 cleaner) and lukewarm water.

Paint, grease, oils, etc. can be removed before drying by rubbing lightly with isopropyl alcohol and then washing with mild detergent and warm water.



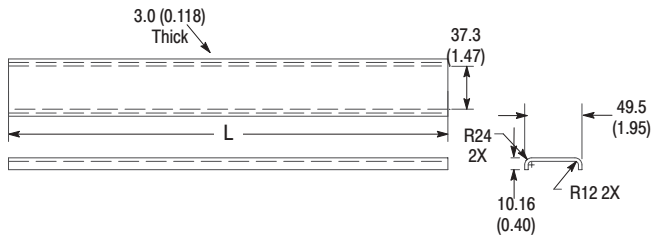
**ATTENTION:** Abrasive or highly alkaline cleaners may damage the polycarbonate weld shields.



**Note:** Each weld shield kit comes with a total of 24 Velcro strips. GuardShield's with smaller protective heights may not require the attachment of all strips. Use your discretion in the number of strips applied.

Figure 1

**Dimensions—mm (inches)**



GS Weld Shield Catalog Numbers	Dimension "L" mm (in)
440L-AGWS0160	175.3 (6.9)
440L-AGWS0320	335.3 (13.20)
440L-AGWS0480	495.3 (19.50)
440L-AGWS0640	655.3 (25.80)
440L-AGWS0800	815.3 (32.10)
440L-AGWS0960	975.4 (38.40)
440L-AGWS1120	1135.4 (44.70)
440L-AGWS1280	1295.4 (51.00)
440L-AGWS1440	1455.4 (57.30)
440L-AGWS1600	1615.4 (63.60)
440L-AGWS1760	1778 (70.00)