

# Backplates with Retroreflective Borders



3-Section  
Louvered Version

Cabinets  
Controllers  
**Signals**  
Signs  
Software  
Specialty

## Overview

McCain's backplates provide visual contrast between signal heads and enhance signal visibility for the driver. The retroreflective borders provide an aesthetically pleasing and functional look in addition to increased traffic safety for your intersections. The Federal Highway Administration approved the use of retroreflective tape after a seven-year safety study showed that the use of retroreflective backplate borders reduced total crashes at intersections by 15% to 24%.

## Benefits

- Enhance signal visibility
- Boost driver awareness
- Use on most standard signals
- Command attention with 1", 2", or 3" retroreflective tape border

## Product Description

McCain's backplates with retroreflective borders for standard traffic signals fit both 8" and 12" signal heads, are fabricated from aluminum or polycarbonate, and have five-inch borders. They accommodate retroreflective tape widths of one, two, or three inches around the backplate.

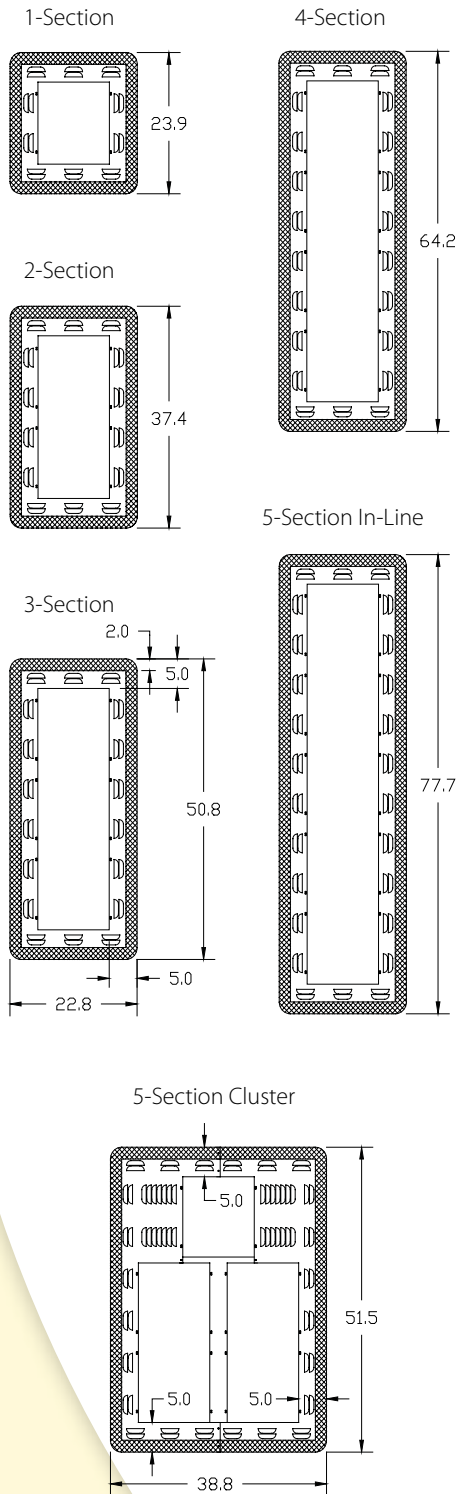
McCain backplates are configured for one-section to five-section in-line or five-section cluster signals. All in-line backplates are fabricated from one solid piece of aluminum or polycarbonate. The five-section cluster backplate is a three-piece design.

The retroreflective tape is specially designed by 3M for vertical mounting and comes in two options:

- 1) 3M 3930 Series High Intensity Prismatic Reflective Sheeting
- 2) 3M 3990 Series Diamond Grade VIP Reflective Sheeting

# Backplates with Retroreflective Borders

CAD of Examples of Backplates with 2" Tape



Dimensions rounded to the nearest 0.1".  
 Dimensions shown for 3-section backplate  
 (except height) are typical of all backplates  
 shown for 2" width tape.

## Standard Features

- 1", 2" or 3" reflective tape border
- Available in 1-section thru 5-section in-line, and 5-section cluster configurations
- Fits 8" and 12" signals
- 5" overall width
- Standard flat black

## General Specifications

Dimensions:	Varies based on signal configuration
Material:	Aluminum: 0.050" thick, louvered or non-louvered Polycarbonate: 0.10" thick, non-louvered
Finish(es):	Aluminum: Powder coated Polycarbonate: Colored resin integral to housing
Color(s):	Face: Flat black
Construction & Attachment:	Depends on style
Signal Mounting:	Elevator Plumbizer (MAS) and standard
Shipping Weight:	Varies based on signal configuration

## Retroreflective Tape Specifications

Type:	Prismatic, Series 3930 or 3990
Color:	Yellow (standard), white (optional)
Width:	1", 2", or 3"
Manufacturer:	3M



Close-up of Reflective Tape  
 (aluminum louvered backplate)

To learn more about  
 McCain's Integrated Traffic  
 Solutions, please contact  
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