

BACKPLATES WITH REFLECTIVE BORDERS



3-Section Louvered Version

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Overview

McCain's reflective border 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
- Used 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.

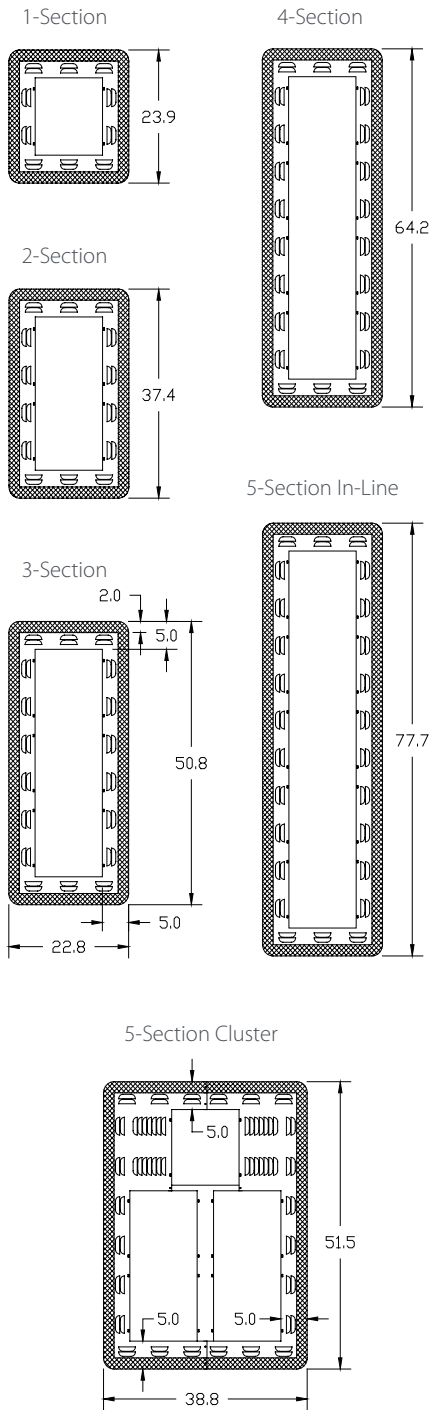
McCain backplates are configured for one-section to five-section in-line or five-section cluster signals. All in-line backplates are fabricated from one solid piece of aluminum or polycarbonate. The five-section cluster backplate is a three-piece design.

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
- 3) 3M 4081 Series Diamond Grade VIP Reflective Sheeting

Backplates with Reflective Border

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 through 5-section in-line, and 5-section cluster configurations
- Aluminum: louvered, non-louvered; Polycarbonate: non-louvered
- Fits 8" and 12" signals
- 5" overall width
- Standard flat black

General Specifications

Dimensions:	Varies based on signal configuration
Material:	Aluminum: 0.050" or 0.063" thick Polycarbonate: 0.10" thick
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, 3990, 4081
Color:	Yellow (standard), white (optional)
Width:	1", 2", or 3"
Manufacturer:	3M



Close-up of Reflective Tape (aluminum louvered backplate)