

# Signal Backplates



**EAGLE**<sup>®</sup>  
Traffic Control Systems

## Description

Traffic signal backplates are designed to properly shield a traffic signal from background obstructions. The backplate provides a dark silhouette that isolates the signal face from store lights, signs, sunlight and other environmental conditions that tend to reduce the brilliance of the light indications. A study found that backplating can cut the number of vehicle accident claims at intersections by nearly 15%.



## Features

- Cored holes and stainless steel thread forming screws are provided in the die cast aluminum and polycarbonate traffic signals for quick, easy installation of backplates.
- Aluminum backplates are fabricated from .063" 5052-H32 aluminum and are standardly primed and painted flat black on both sides. Aluminum backplating provides the strongest strength-weight ratio and is very resistant to weather and corrosion in harsh environments.
- Poly backplates are fabricated from .125" high density polyethylene (HDPE) and are standardly dull black on one side and semi-gloss black on the other side. Polyethylene backplating is very resistant to impacts and abrasions. It will also keep its strength and shape in extreme temperatures and severe weather conditions.
- Available with 1", 2" and 3" wide reflective tape installed in center or flush with outside edge. If reflective tape is required, the backplates will be fabricated from ABS material.



*Eagle Traffic Control Systems continues our 80+ year history of providing excellence in the ever evolving traffic industry. All of Eagle's products are developed with the highest standards of engineering and manufacturing. Eagle maintains a superior level of integrity in interactions with all of our business partners and customers. We also take tremendous pride in being model corporate citizens.*

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**mobotrex**<sup>™</sup>  
MOBILITY & TRAFFIC EXPERTS  
MANUFACTURING

# Signal Backplates



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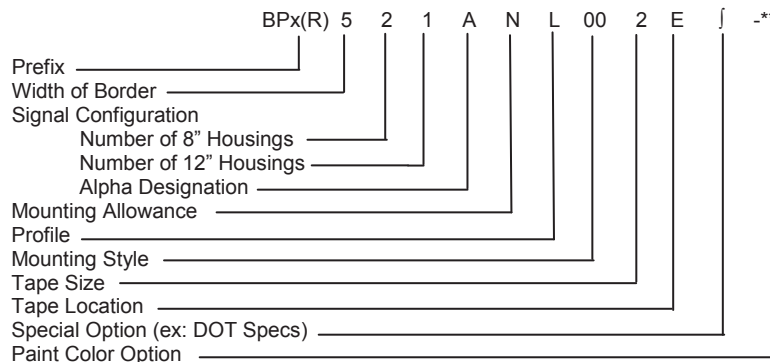
## Backplate Number Construction Code

Prefix	Width of Border	Signal Configuration			Plumbizer Mounting Allowance	Profile	Hanger Style	Width of Reflective Tape	Tape Location	Special Options J	Paint Option -**
		Number of 8" (203mm) Housings	Number of 12" (300mm) Housings	Face Arrangement*							
BPA = Alum - SG	5 = 5"	0	0	A - Z	N = None E = Eagle R = Ryall (Frey)	F = Flat  L = Louver	00 = None 01 = Span Wire 02 = Astro Bracket 03 = Other	0 = None 1 = 1" 2 = 2" 3 = 3"	N = None E = Edge C = Center	0 = None 1 = Multi 2 = Tape 3 = Louver Size or direction 4 = Hardware 5 = Other 6 = Louver centered	-00 = Flat Black -12 = Yellow  (Contact Brown for other paint options)
BPB = Poly - SG		1	1								
BPAR = Alum-SG W/Reflect Tape		2	2								
BPBR = Poly -SG W/Reflect Tape	3	3									
BPC = Alum - SA	8 = 8"	4	4								
BPD = Poly - SA		5	5								
BPCR = Alum-SA W/Reflect Tape		6	6								
BPDR = Poly -SA W/Reflect Tape						05 = Skybracket					

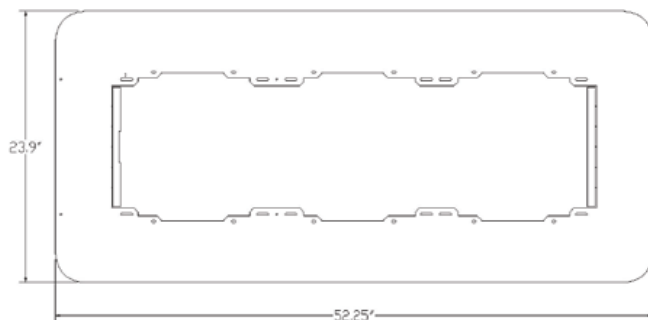
SG = External Hinge  
SA = Internal Hinge

A = Any In-Line Series of Sections  
T = HAWK Arrangement

\* Use the lowest signal alpha designation for the wanted signal arrangement. Reference VFA (Vehicle Face Arrangement) Chart.



STANDARD 3-SECTION 12" SIGNAL BACKPLATE



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