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# Signal Backplates

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**EAGLE**<sup>®</sup>  
Traffic

## 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 powder coated 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 either .125" high density polyethylene (HDPE) or .125" acrylonitrile butadiene styrene (ABS) and are standardly dull black on one side and semi-gloss black on the other side. If reflective tape is being used, or will be used after purchase, ABS poly is required for proper adhesion. 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.*

# Signal Backplates

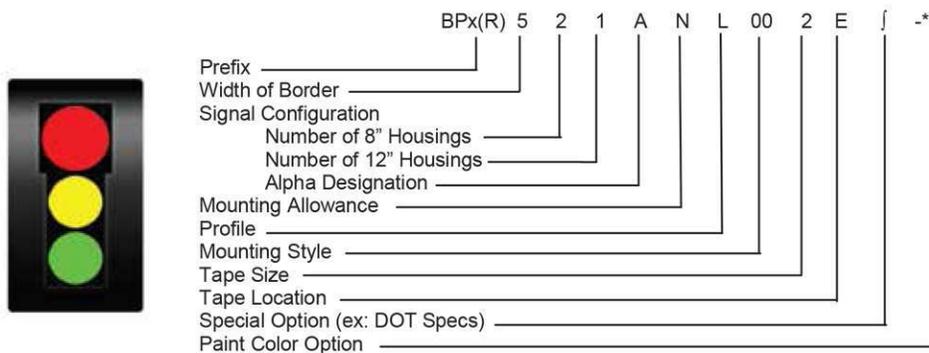


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## Backplate Number Construction Code

| Prefix          | Width of Border | Signal Configuration          |                                |                   | Plumbizer Mounting Allowance              | Profile                | Hanger Style  | Width of Reflective Tape               | Tape Location                      | Special Options †   | 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<br>E = Eagle<br>R = Ryall (Frey) | F = Flat<br>L = Louver | 00 = None<br>01 = Span Wire<br>02 = Astro Bracket<br>03 = Other | 0 = None<br>1 = 1"<br>2 = 2"<br>3 = 3" | N = None<br>E = Edge<br>C = Center | 0 = None<br>1 = Multi<br>2 = Tape<br>3 = Louver Size or direction<br>4 = Hardware<br>5 = Other<br>6 = Louver centered | -00 = Flat Black<br>-12 = Yellow<br><br>(Contact Brown for other paint options) |
| BPB = Poly - SG |                 | 1                             | 1                              |                   |   |                        |   |  |                                    |   |   |
| BPAR = Alum-SG  |                 | 2                             | 2                              |                   |   |                        |   |  |                                    |   |   |
| W/Reflect Tape  | 8 = 8"          | 3                             | 3                              |                   |   |                        |   |  |                                    |   |   |
| BPBR = Poly -SG |                 | 4                             | 4                              |                   |   |                        |   |  |                                    |   |   |
| W/Reflect Tape  |                 | 5                             | 5                              |                   |   |                        |   |  |                                    |   |   |
| BPC = Alum - SA |                 | 6                             | 6                              |                   |   |                        |   |  |                                    |   |   |
| BPD = Poly - SA |                 |                               |                                |                   |   |                        |   |  |                                    |   |   |
| BPCR = Alum-SA  |                 |                               |                                |                   |   |                        |   |  |                                    |   |   |
| W/Reflect Tape  |                 |                               |                                |                   |   |                        |   |  |                                    |   |   |
| BPDR = Poly -SA |                 |                               |                                |                   |   |                        |   |  |                                    |   |   |
| W/Reflect Tape  |                 |                               |                                |                   |   |                        |   |  |                                    |   |   |

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



STANDARD 3-SECTION 12" SIGNAL BACKPLATE

