BUFFLEHEADS - Buffleheads are buoyant, large-headed ducks that abruptly vanish and resurface as they feed in open water bays, reservoirs, and lakes. Males appear a striking black & white from a distance. A small duck, buffleheads nest in tree cavities, often using old woodpecker holes.
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![LITE KITS & LOUVERS](image)

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Lite Kit and Louver Fasteners

L30
Rating Symbols Legend

- **POSITIVE PRESSURE - CERTIFIED by UL to ANSI/UL10C;** complies with IBC, NFPA 80 and NFPA 252 for use on Hollow metal fire doors rated up to 3 hours and Wood fire doors rated up to 90 minutes (some ratings vary as noted).

- **CERTIFIED by UL to CAN/ULC-S104 and ANSI/UL10B;** complies with NFPA 80 and NFPA 252 for use on Hollow metal fire doors rated up to 3 hours and Wood fire doors rated up to 90 minutes (some ratings vary as noted).

Materials

Lite Kits are available in Cold Rolled Steel, Galvanneal Steel, and Stainless Steel (type 304). Louvers are available in Cold Rolled Steel, Galvanneal Steel, and Aluminum Alloy 6063-T5.

Powder Coat Finish

The standard finish for each product is indicated on the catalog page and in the price list and will be provided unless one of the following optional finishes is indicated. See www.ngp.com for color chart:

- (GPZ) Gray Primer
- (DKB) Dark Bronze
- (T) Tan
- (GBL) Gloss Black
- (MBL) Matte Black
- (TBL) Textured Black
- (ASL) Aluminum Silver
- (BPR) Beige Primer (matches Steelcraft)
- (PTY) Putty (matches Anemostat Beige)
- (CAB) California Bronze (matches Anemostat)
- (W) White
- (B) Brass (Gold)
- (WB) Walnut Brown (matches Timely Browntone)
- (MW) Magnolia White (matches Timely Western White)

Custom colors and color matching available – Consult customer service for details

Corrosion Resistant Sealer: A polymeric green seal (non-chrome) corrosion resistance extender is applied under all NGP powder coat finishes. Laboratory salt spray tests prove a dramatic increase in corrosion resistance on steel products with this sealer applied to the metal prior to the powder coat finish.

Salt Spray Test Results: Steel lite kits with NGP’s corrosion resistant sealer and powder coat finish withstood 1,248 hours without failing. This is 2-1/2 times longer than the protection provided by powder coating only.

Zinc Electro-Plating

Available on steel lite kits and louvers for extra corrosion resistance; recommended for exterior, wet areas, and coastal salt air locations. Zinc electro-plating will be applied prior to the powder coat finish. Specify on order “Zinc EL-Plate” and powder coat color desired. Not available on insect screen.

How to Order Example

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Model#</th>
<th>Finish</th>
<th>Cut-out Size</th>
<th>Options</th>
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<td>10</td>
<td>L-FRA100-SP</td>
<td>DKB</td>
<td>24&quot; x 30&quot;</td>
<td>for 1&quot; thick glass</td>
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Lite Kit Technical Information

Fire-Rated Lite Kits: Lite Kits installed in fire-rated doors require fire-rated glass and glazing tape.

Impact Safety Rated Glass requirements: IBC requires all individual glazed areas in swinging doors to be impact safety-rated to comply with the CPSC 16CFR 1201 Category I or II.

Accessibility Standard Compliance:
ADA Standards for Accessible Design, requires that the bottom of the glass panel in a vision lite be located 43" maximum above the floor. An exception for vision lites with the lowest part more than 66" above the floor are not required to comply.

Louver Technical Information

Steel louvers over 46" wide and aluminum louvers over 36" wide must be furnished as two louver cores mounted in one louver frame with a mullion in between. All Louvers over 64" or more in height will be furnished as two louver cores mounted in one frame with a mullion in between.

LEED Green Building

The LEED (Leadership in Energy and Environmental Design) Green Building Rating System® is a national standard for developing high-performance, sustainable buildings developed by the U. S. Green Building Council. Our current LEED letter containing LEED qualification information for all our products is available at www.ngp.com

Environmental Product Declarations (EPD) prepared and certified by an Independent Laboratory based on Life Cycle Assessments (LCA) of our products may be viewed on our website www.ngp.com

Health Product Declarations (HPD) may be viewed on our website www.ngp.com

National Guard Products sustainability report may be viewed on our website www.ngp.com

Contact us regarding our end of use product recycling program.

Buy American Requirements

Buy American Act

Over 99% of our products are produced in the United States as a domestic construction material, as defined in the Buy American Act (BAA) of March 1933 and amended by the Buy American Act of 1988 and FAR 52.225-9. A Buy American certificate may be obtained on our website www.ngp.com

Federal American Recovery and Reinvestment Act

More than 99% of our products qualify as manufactured products produced in the United States as manufactured goods, as defined in OMB Guidance (176.140; 176.70(a) (2) (ii); 176.160, complying with the Federal American Recovery Reinvestment Act, ARRA-2009. Contact us for a Buy America ARRA certificate for your project.

Buy America

More than 99% of our products comply with Buy America Requirements of 49 U.S.C. 5323(j)(1), and the applicable regulations in 49 CFR part 661. Contact us for a Certificate of Compliance for your project.

Components of unknown origin are considered to have been produced or manufactured outside the United States.
L-700-RX
No Vision Door Louver for 1-3/4" Thick Doors

- 18 ga. cold rolled steel
- Mitered and welded corners
- Welded reinforcing clips at corners
- Inverted “V” design
- Blades 24 ga. steel; hemmed edges
- Counter-sunk mounting screw-holes
- #8 x 3/4” Phillips head SMS
- Available in uneven and fractional sizes
- Free area 55%
- Gray Primer (GPZ) powder coat finish

Available Options
- Powder coat color options - see page L2
- Thru Bolts - specify L-700-RX-TB
- Aluminum Insect screen - 22 ga. 1/8” square mesh installed exterior side unless requested otherwise
- Torx Security Screws
- Galvanneal - A40 Steel
- Zinc electro-plating (not available on insect screen)

Designed for use on 1-3/4" thick doors manufactured within door industry tolerance of +/- 1/16".
L-700 SERIES

No Vision Door and Partition Louver for 1-3/8", 1-3/4" up to 2-1/4" Thick Doors

- 20 ga. cold rolled steel frame
- Mitered and welded corners
- Welded reinforcing clips at corners
- Inverted "V" design
- Blades 24 ga. steel; hemmed edges
- Counter-sunk mounting screw-holes
- #8 x 3/4" Phillips head SMS
- Available in uneven and fractional sizes
- Gray Primer (GPZ) powder coat finish
- Free area 55%

Available Options
- Powder coat color options - see page L2
- Thru bolts (TB) for 1-3/4" thick doors
- Aluminum Insect screen - 22 ga. 1/8" square mesh installed exterior side unless requested otherwise
- Torx Security Screws
- Galvanneal A40 Steel
- Zinc electro-plating (not available on insect screen)

Install L-700-C & L-700-A using glass stop or molding
L-A700 SERIES

Aluminum No Vision Door and Partition Louver for 1-3/8", 1-3/4" up to 2-1/4" Thick Doors

- Frame .050" extruded aluminum
- Blades .050" extruded aluminum
- Mitered corners secured with reinforcing clips
- Inverted “V” design
- Counter-sunk mounting screw-holes
- #8 x 3/4" Phillips head SMS
- Available in uneven and fractional sizes
- Aluminum Silver (ASL) powder coat finish
- Free area 55%

Available Options
- Powder coat color options - see page L2
- For exterior use specify drainage weep holes
- Thru bolts (TB) for 1-3/4" door when specified
- Aluminum Insect screen - 22 ga. 1/8" square mesh installed exterior side unless requested otherwise
- Torx Security Screws

![Diagram of L-A700 series](image)

Install L-700-C & L-700-A using glass stop or molding

L-A700-C: undersized 1/4" for clearance
L-A700-A: undersized 3/16" for clearance
L-A700-B: undersized 3/16" for clearance
L-A700-BF: undersized 1/16" for clearance

not to scale
L-1900
Fire-rated Fusible Link Louver for 1-3/4" Thick Doors up to 90 minutes

- Blades close when activated by fire/heat
- 18 ga. cold rolled steel frame
- 18 ga. cold rolled steel adjustable “Z” blades
- Mitered corners secured with reinforcing clips
- Stainless Steel Spring
- 165° Fusible link
- Free area 40%
- #8 x 3/4" Phillips head SMS
- Gray Primer (GPZ) powder coat finish

Available Options
- Aluminum insect screen - 22 ga. 1/8" square mesh installed on exterior side unless requested otherwise
- Torx Security screws
- Galvanneal A40 steel

Size Information: Available in whole inch increments
Minimum size: 10" x 6"
Maximum size: 24" x 30"

*up to 90 minutes
L-1800

Adjustable Blade Louver
for 1-3/4" Thick Doors

- Manually adjustable blades
- 18 ga. cold rolled steel frame
- 18 ga. cold rolled steel adjustable “Z” blades
- Mitered corners secured with reinforcing clips
- Free area 40%
- #8 x 3/4" Phillips head SMS
- Gray Primer (GPZ) powder coat finish

Available Options
- Aluminum insect screen - 22 ga. 1/8" square mesh installed on exterior side unless requested otherwise
- Torx Security screws
- Galvanneal A40 steel

Size Information:
Available in whole inch increments
Minimum size: 10" x 6"
Maximum size: 24" x 30"

not to scale
L-VRSG-2, L-VRSG-3

Vandal Resistant Security Louver for 1-3/4" Thick Doors

- 18 ga. cold rolled steel frame
- Mitered and welded corners
- Welded reinforcing clips at corners
- Inverted "V" design
- Blades 24 ga. steel, hemmed edges
- 16 ga. steel, 3/4" x 3/4" security grille
- #6 x 1-3/4" Phillips Truss Head SMS
- Gray Primer (GPZ) powder coat finish
- Free area 45%

Available Options
- Powder coat color options - see page L2
- Thru bolts (TB) for 1-3/4" thick doors
- Aluminum Insect screen - 22 ga. 1/8" square mesh installed exterior side unless requested otherwise
- Torx Security Screws
- Galvanneal - A40 Steel
- Zinc Electro-plating (not available on insect screen)

L-VRSG-2

Undersized 1/16" for clearance

L-VRSG-3

Undersized 1/16" for clearance
L-75 SERIES

Darkroom Louver
for 1-3/4" up to 2-1/4" Thick Doors

- 20 ga. cold rolled steel frame
- Mitered and welded corners
- Welded reinforcing clips at corners
- Blades .040" aluminum
- Counter-sunk mounting screw holes
- #8 x 3/4" Phillips head TEK screws
- Available in uneven and fractional sizes
- Free area 55%
- Textured Black (TBL) powder coat finish

Available Options
- Powder coat color options - see page L2
- Thru Bolts (TB) for 1-3/4" thick doors
- Aluminum Insect screen - 22 ga.
  1/8" square mesh installed exterior side
  unless requested otherwise
- Torx Security Screws
- Zinc electro-plating (not available on insect screen)

Install L-75-A using glass stop or molding
Fasteners for Lites and Louvers

L-Clips

For Optional Reinforcement of 1-3/4" Hollow Metal Doors

- 20 ga. steel
- 4" length clip
- For spot reinforcement of cut-outs in hollow metal doors.

NGP Lite Kits on Fire-rated Hollow metal doors do NOT require L-clips or channels welded in the doors.

PHILLIPS HEAD
TOP VIEW

TORX SECURITY
TOP VIEW

HEX HEAD WASHER
TOP VIEW

#8 OH PHILLIPS U/C SMS
410 S/S MATERIAL

WORKS WITH:
L-FRA100, L-FRA100-SP, L-FRA100-RD, L-CVFM-SS

#8 TH PHILLIPS SMS
410 SS MATERIAL
1", 1 1/2", 1 3/4"

WORKS WITH:
L-GLF100, L-GLF100-SP, L-SG100

#8 X 3/4" PH
PHILLIPS 410SS
SMS

WORKS WITH:
L-700-RX, L-700-SERIES, L-A700-SERIES

#8 X 3/4" OH
PHILLIPS U/C SMS
410 SS MATERIAL

WORKS WITH:
L-1800, L-1900

#8 X 1/2" HW
TEK ZINC SCREW

WORKS WITH 1-3/4" DOOR FOR:

#8 X 32 THRU-BOLT
410 S/S MATERIAL

WORKS WITH 1-3/4" DOOR FOR:
L-GLF100-TB, L-GLF100-SP-TB, L-SG100-TB AND THRU BOLTED LOUVERS

#8 X 1" OH PHILLIPS
TEK ZINC SCREW