V4000
Architectural Value Series Exit Device

Parts Check List

- Centercase/Pushpad SubAssembly
  - Centercase Cover P/N: 101805-1
- Plastic Template Use for ease of installation
- Fillerplate SubAssembly
  - Fillerplate (LD)
    - P/N: 101810-1 (3-0)
    - P/N: 101815-2 (4-0)
  - Fillerplate SubAssembly (HD)
    - P/N: 101803-1 (3-0)
    - P/N: 101803-2 (4-0)
  - Fillerplate SubAssembly (CD)
    - P/N: 102195-1 (3-0)
    - P/N: 102195-2 (4-0)
- Endcap P/N: 101822
- Endcap Bracket P/N: 101821
- Hex Key P/N: 100450
- Hex Nut P/N: 100783
- Pushpad Wrap
  - P/N: 101810-2 (3-0)
  - P/N: 101815-2 (4-0)
- Mounting plate Subassembly P/N: 100696-1

Non-Roller Strike
- P/N: 100234-1
- P/N: 100088
- P/N: 100212

99 Strike *, P/N: 100855-2

Mortise Strike
- P/N: 100480
- P/N: 100482
- P/N: 101899

Mortise Strike Shim

Strike Shield P/N: 100481

98 Strike *, P/N: 100855-1

2" Narrow Stile Door Kit (Optional)
See Appendix B
P/N: 101879-X

* Note:
Parts listed above will vary according to product configuration.

Detex Value Series panic hardware, when properly installed, used and maintained, is warranted to be free of defects in material and workmanship. We will, for a period of three (3) years from the date of purchase, repair or replace any part which, upon our examination, proves to be defective under normal use. This warranty will be honored only upon presentation of proof that the product covered thereby was purchased directly from an authorized Detex distributor. WE SHALL NOT BE LIABLE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL LOSS OR DAMAGE ARISING OUT OF THE FAILURE OF THIS PANIC HARDWARE TO OPERATE.
WIDE STILE (SURFACE STRIKE)
Minimum door stile 4-1/2" (114 mm)
Template drawings provide door and frame structural and dimensional specifications for door and frame preparation.

NARROW STILE
Minimum door stile 2" (51 mm)
Surface strike possible
Mortise strike recommended

Doors and frames with walls having a structural thickness (metal skin plus reinforcement, or solid wood) to engage less than (3) full screw threads, are considered unreinforced for hardware.

Unreinforced Doors: Use Sex Nuts and Bolts
Unreinforced Frames: Use Blind Rivet Nuts (see sketch)
Fasteners for unreinforced openings are not supplied by Detex.

NOTE: 750 mm MAXIMUM DOOR WIDTH OPENING FOR EUROPE FOR 36" DEVICE
(1000 mm MAXIMUM DOOR WIDTH OPENING FOR EUROPE FOR 48" DEVICE)
THE SAFETY FEATURES OF THIS PRODUCT ARE ESSENTIAL TO ITS COMPLIANCE WITH EN 1125.
NO MODIFICATION OF ANY KIND, OTHER THAN THOSE DESCRIBED IN THESE INSTRUCTIONS ARE PERMITTED.
## Fastener Table

<table>
<thead>
<tr>
<th>Machine Screws</th>
<th>Drill Bit</th>
<th>Tap Wrench</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>#6-32 x 5/8&quot;</td>
<td>-</td>
<td>#36 or 7/64</td>
<td>#6-32 Tap Used on 98 Strike Shield Mounting Holes</td>
</tr>
<tr>
<td>#6-32 x 3/8&quot;</td>
<td>-</td>
<td>-</td>
<td>Used to Mount Centercase Cover and Endcap</td>
</tr>
<tr>
<td>#10-24 x 5/8&quot;</td>
<td>-</td>
<td>#25 or 9/64&quot;</td>
<td>#10-24 Tap Used on 99 Strike Center Mounting Hole</td>
</tr>
<tr>
<td>#1/4-20 x 1/4&quot;</td>
<td>-</td>
<td>-</td>
<td>Used to Fasten Centercase Unit onto Mounting plate</td>
</tr>
<tr>
<td>#1/4-20 x 1&quot;</td>
<td>-</td>
<td>#7 or 13/64&quot;</td>
<td>#1/4-20 Tap Used on Strike, Mounting plate, and Endcap Mounting Holes</td>
</tr>
<tr>
<td>Sheetmetal Screws</td>
<td>#6 x 1&quot;</td>
<td>9/64&quot;</td>
<td>- Used on 98 Strike Shield Mounting Holes</td>
</tr>
<tr>
<td>#10 x 1&quot;</td>
<td>#22 or 5/32&quot;</td>
<td>-</td>
<td>Used on 99 Strike Center Mounting Hole</td>
</tr>
<tr>
<td>#14 x 1-1/4&quot;</td>
<td>PPH</td>
<td>7/32&quot;</td>
<td>- Metal Applications Used on Strike, Mounting plate, and Endcap Mounting Holes</td>
</tr>
<tr>
<td>Sex Nut</td>
<td>#1/4-20</td>
<td>9/32&quot; Interior Door Face</td>
<td>- Recommended on Fire Rated Wood and Unreinforced Hollow Metal Doors Used on Mounting plate and Endcap Mounting Holes</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>3/8&quot; Exterior Door Face</td>
<td>- Recommended on Fire Rated Wood and Unreinforced Hollow Metal Doors Used on Mounting plate and Endcap Mounting Holes</td>
</tr>
<tr>
<td></td>
<td>#10-32</td>
<td>13/64&quot; Interior Door Face</td>
<td>- Recommended on Fire Rated Wood and Unreinforced Hollow Metal Doors Used on Mounting plate and Endcap Mounting Holes</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>5/16&quot; Exterior Door Face</td>
<td>- Recommended on Fire Rated Wood and Unreinforced Hollow Metal Doors Used on Mounting plate and Endcap Mounting Holes</td>
</tr>
</tbody>
</table>

**Notes:**
1. Fastener selection will vary per catalog configuration and kits ordered.
2. Mortise cylinder NOT provided.

## Tools Required

<table>
<thead>
<tr>
<th>Power Drill</th>
<th>Pencil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hack Saw</td>
<td>Hammer</td>
</tr>
<tr>
<td>Safety Glasses</td>
<td>Tape Measure</td>
</tr>
<tr>
<td>Level</td>
<td>Center Punch</td>
</tr>
<tr>
<td>Screw Driver</td>
<td></td>
</tr>
</tbody>
</table>
1. Mark centerline for unit 40 inches above finished floor.

2. Slide 99 strike locator into mounting plate (see appendix A for 98 strike and strike hook installation).

3. Mark mounting plate and strike holes.

4. Punch marked holes.

5. Trim input hole if necessary. (see outside trim instructions)

   - Drill holes: mounting plate (2 pl), strike (2 pl)
   - #7 for 1/4-20 machine screws
   - 7/32" or 3/16" for #14 sheetmetal screws
   (see fastener table)

6. Fasten tightly with lockwashers and 1/4-20x1" machine screws or #14 sheetmetal screws.

   Fasten loosely with two 1/4-20x1" machine screws or #14 sheetmetal screws.
HURRICANE MODELS

NOTE: Hurricane models require TWO additional screws (See hurricane kit)

Fasten rim device to mounting plate and door with 1/4-20 x 1" machine screws or #14 sheetmetal screws

Fasten rim device to mounting plate with 1/4-20 x 1/4" PPH machine screws

Depress pushpad when installing

Insert centercase guides into slots of mounting plate

Position cam as shown

Rotate device toward door
CHECKING FOR DEVICE CLEARANCE
(Cut-Off procedure if required)

Slide endcap assembly onto extrusion
Secure with tape

CAUTION:
Check device and door frame clearance.
If no cut-off needed, proceed to the next step

Cut fillerplate and extrusion to desired length

<table>
<thead>
<tr>
<th>Type</th>
<th>Max Cut-Off</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>36&quot; Unit</td>
</tr>
<tr>
<td>HD/CD</td>
<td>6 in</td>
</tr>
<tr>
<td>LD</td>
<td>8-3/4 in</td>
</tr>
</tbody>
</table>

INSTALL MORTISE CYLINDER IF REQUIRED
(V4000 x CD)

Cylinder Collar optional
(Delex p/n: ECL-1595)

Mortise cylinder
(See note 3)

Adjust for LONGER cylinder length
with spacers (provided) and cylinder collar (not included)

CAUTION:
Tighten with hand tools only.
Do not overtighten

NOTE:
(1) All cylinder spacers must be used.
(2) Turn key max CCW before installing slide in fillerplate.
(3) Use a cylinder collar when installing a 7-pin mortise cylinder.
(4) Reinstall fillerplate subassembly
Slide endcap bracket into extrusion, level pushpad assembly, and mark (3) holes.

**Note:** Endcap bracket must bottom-out on extrusion before marking holes.

**1.**

**2.** Punch marked holes

**3.** Drill punched holes
- #7 for 1/4-20 machine screws
- 7/32" or 3/16" for #14 sheetmetal screws
(See fastener table)

**IMPORTANT NOTE:**
Screw prevents endcap tampering.

**Loosely fasten**
with lockwasher and either 1/4-20x1 machine screw or #14 sheetmetal screw
(see fastener table)

**4.**

**5.** Use center hole to mount endcap bracket

**IMPORTANT:**
Install (2) 6-32 FH screws for added security

**5.** Slide and mount endcap to endcap bracket with two 1/4-20x1" machine screws or #14 sheetmetal screws
Care and Maintenance:
The Detex Value Series® devices are designed to provide many years of maintenance free service under normal usage. Periodically inspect and lubricate the unit to extend its life.

1. Align the 99 strike with the deadlatch. Firmly tighten screws (use shim if necessary).

2. Mark and drill center hole. 5/32" for #10 sheetmetal screws, 9/64" for 10-24 machine screws. (see fastener table) Secure the 99 strike.

3. Install the cover with 6-32 machine screws. Tighten with hand tools only.
Appendix A
98 STRIKE INSTALLATION

Mark and drill holes as necessary.
#7 for 1/4-20 machine screws,
7/32" or 3/16" for #14 sheetmetal screws
7/64" for 6-32 machine screws,
9/64" for #6 sheetmetal screws
(see fastener table)

STRIKE HOOK INSTALLATION
(Caution: This installation is required on fire rated door openings with removable mullion.)

For mounting hole locations use Strike Locator (Template) provided.

<table>
<thead>
<tr>
<th>DRILL CHART</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-24 Machine screw</td>
</tr>
<tr>
<td>#10 Sheetmetal screw</td>
</tr>
<tr>
<td>#25 or 9/64&quot; tap 10-24</td>
</tr>
<tr>
<td>#22 or 5/32&quot; pilot hole</td>
</tr>
</tbody>
</table>

Align the strike with the latchbolt. Firmly tighten screws.
Appendix B

Optional Accessories

**Glass Bead Kit**
Catalog No: GB15

#1/4-20 X 1-1/2" Screws

**Sex Nut**
The #10-32 kit is available in (4) finishes:
- Catalog No: SN2 Brushed Brass BHMA 606 Finish
- Catalog No: SN2 Oil Rubbed Bronze BHMA 613 Finish
- Catalog No: SN2 Brushed Chrome BHMA 626 Finish
- Catalog No: SN2 Stainless Steel BHMA 630 Finish

The #1/4-20 kit is available in (4) finishes:
- Catalog No: SN1 Brushed Brass BHMA 606 Finish
- Catalog No: SN1 Oil Rubbed Bronze BHMA 613 Finish
- Catalog No: SN1 Brushed Chrome BHMA 626 Finish
- Catalog No: SN1 Stainless Steel BHMA 630 Finish

**Tamper Kit**  
(Security Kit)
Catalog No: SSK3

Security Screws  Security Pin TORX® Bits provided

**Narrow Stile Door Kit**  
(Splice Kit may be used with either 3-0 or 4-0 units)
Catalog No: NSK1 (628 Finish, Clear)
Catalog No: NSK1 (711 Finish, Black)

**Double Door Strike Kit**
Catalog No: 94 with security screws
Catalog No: 95 with standard screws