Bertha™ HV™ Accordion Shutters

Product Features & Benefits:
• Durable powder coated paint finish
• Universal components • Blade Options: HV1 & HV2 (Hi-Rise)
• Designed for standard openings
• Direct mount starters for fast installation
• Applications for metal stud, keystone & plywood install
• Curved and Radius Tracks available
• Insurance discounts

Specifications:
• Code Approvals: FBC HVHZ; FBC Non-HVHZ, IBC/IRC, TDI, Miami Dade NOA
• Maximum Size: 16’ (HV1) & 18’ (HV2) high x unlimited width

HV® Accordion Window Features: (shown)
• Tested and approved: FBC - HVHZ & Non-HVHZ
• Up to 5 windows per blade
• Retrofit installations with HV hand punch tool

Locking Systems Available:
• Heavy duty stainless steel lock (shown) • Push button lock
• T-handle lock • Saltwater lock

Eastern Metal Supply www.easternmetal.com • info@easternmetal.com 05/2021
FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/AR/LA: 800-996-6061 • MO/OH/IN: 888-822-6061
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BERTHA HV® ADJUSTABLE TRACK w/FELT x 20’
41-COLOR-423
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(6 Pcs/Sub) Felt: 41-HV-320

BERTHA HV® SILL ADAPTOR W/LIP x 20’
90-COLOR-012
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(6 Pcs/Sub)

BERTHA HV® WALKOVER TRACK x 20’
41-COLOR-440
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(6 Pcs/Sub) Felt: 41-HV-320
Accepts Vinyl Inserts (p15)

BERTHA HV® ANODIZED TRENCH TRACK x 20’
41-63-437 Silver Anodized
Felt: 41-HV-320

BERTHA HV® CORNER CENTERMATE #3 X 20’
41-COLOR-429
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(6 Pcs/Sub)

BERTHA HV® MALE T LOCK x 20’
41-WH-437 White (4 Pcs/Sub)
Ivory (IV), Bronze (MB) and Beige (BG) available as SPECIAL ORDER

BERTHA HV® FEMALE T LOCK x 20’
41-WH-438 White (4 Pcs/Sub)
Ivory (IV), Bronze (MB) and Beige (BG) available as SPECIAL ORDER

FAST-SHIP AVAILABLE TO MAJOR MARKETS

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### BERTHA HV® HD™ CENTERMATE

**WITHOUT RODS x 20’**

- **41-COLOR-439**
  - Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
  - **2.160**
  - **1.917**

**INSERT x 20’**

- **41-COLOR-436**
  - Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
  - **3.161**
  - **.884**

Mates with BERTHA HV® HD™ Centermates

### BERTHA HV® BUILD-OUT ANGLE x 20’

**2 x 5 x .190 x 20’ With Inside Radius**

- **11-COLOR-413**
  - **6063-T6**
  - Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
  - **3/16 Wall**
  - **R .250**
  - **2.00**
  - **5.00**

### BERTHA HV® VINYL INSERTS

Mates with Walkover Track 41-COLOR-440

- **41-WH-Insert2** White x 8’
- **41-IV-Insert2** Ivory x 8’
- **41-MB-Insert2** Bronze x 8’
- **41-BG-Insert2** Beige x 8’
- **41-BK-Insert** Black x 12’

### BERTHA HV® RAINGUARD x 17’

- **41-COLOR-460** (10 Pcs.)
  - Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
  - **3.750**

### BERTHA HV® COMBO BLADE LABEL

**LABEL-3** (250 per Roll)

**Warning:**
During periods of hurricane warnings, homeowner, tenant or others must properly close all BERTHA HV® & HD centermates and engage or lock all BERTHA HV® & HD locks.

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## HV® ESSENTIAL ACCORDION SHUTTER

- **BERTHA HV® Blade #1**
  - 41-COLOR-400 x 14’ 6”
  - 41-COLOR-405 x 16’ 6”
  - 41-COLOR-410 x 18’
  - (10 Pcs/Sub; 120 Pcs/Master)

- **HV® Flat Center Mate x 20’**
  - 41-COLOR-420

- **HV® Essential Ceiling Header x 20’**
  - 41-COLOR-478

### Color Options
- Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

### Code Approvals
- FBC (non-HVHZ), FBC (HVHZ)

### NOW AVAILABLE!

### HV® ESSENTIAL ACCORDION SHUTTER

- **3/8” Build Out x 20’**
  - 41-COLOR-480

- **1” Build Out x 20’**
  - 41-COLOR-482

- **2” Build Out x 20’**
  - 41-COLOR-484

### Color Options
- Available in White (WH), Black (shown)

### Holdback Clip
- For Flat Centermates
  - 41-HV-HBCLIPWH
  - 41-HV-HBCLIPBL

### Color Options
- Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

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NOTE! COVERAGE DIMENSIONS ARE APPROXIMATELY 1" LESS THAN TRACK MINUS STACK DIMENSIONS

HV® Accordion Flat Centermate Stacking Guide

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Eastern Metal Supply
www.easternmetal.com
FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061
**BERTHA HV® ACCORDION WINDOW**

**41-HV-WINDOW**

Patent Pending

<table>
<thead>
<tr>
<th>3 HOLES - HV® BLADE # 1 X 6'</th>
</tr>
</thead>
<tbody>
<tr>
<td>Punched Window 3 Holes</td>
</tr>
<tr>
<td>SPECIAL ORDER 41-COLOR-72P3</td>
</tr>
<tr>
<td>Contact your Sales Rep for availability</td>
</tr>
<tr>
<td>Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)</td>
</tr>
<tr>
<td>3&quot; Diameter Viewports on Blade (3 each)</td>
</tr>
<tr>
<td>42-1/2&quot; End of Blade to centerline of first opening</td>
</tr>
<tr>
<td>Spacing @ 5-3/4&quot; On Center</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5 HOLES - HV® BLADE # 1 X 8'</th>
</tr>
</thead>
<tbody>
<tr>
<td>Punched Window 5 Holes</td>
</tr>
<tr>
<td>SPECIAL ORDER 41-COLOR-96P5</td>
</tr>
<tr>
<td>Contact your Sales Rep for availability</td>
</tr>
<tr>
<td>Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)</td>
</tr>
<tr>
<td>3&quot; Diameter Viewports on Blade (3 each)</td>
</tr>
<tr>
<td>42-1/2&quot; End of Blade to centerline of first opening</td>
</tr>
<tr>
<td>Spacing @ 5-3/4&quot; On Center</td>
</tr>
</tbody>
</table>

**HVPUNCH-1** (PIC at Right)

Top Row Components Left to Right:
Hex Bit Socket 3/8 Sq Drive with 1/4" Hex to 3/8 Sq Drive
2" long / Base Die / Grade 8 Hex Screw & Washer

Center Row Components Left to Right:
Slug Knockout Tool / HV Window Hand Tool

Bottom Row Components Left to Right:
Cutting Die with Thrust Bearing / 1" Hole Saw
BERTHA HV® ACCORDION SHUTTER SAMPLES

BERTHA HV® ACCORDION KIT
HV-KIT
Includes Mini Sample;
Boxed 6” HV Blade 1 Components

SPECIAL ORDER HV-KIT3
Includes Mini Sample;
Boxed 6” HV Blade 3 Components

BERTHA HV® “HEAVY DUTY” CENTERMATE SAMPLE
HD-SAMPLE 17” x 30”
Top Track: 1” Build-Out Header
Bottom Track: Walkover
Centermate: "HD" Centermate

BERTHA HV® “T-LOCK” CENTERMATE SAMPLE
HT-SAMPLE 17” x 30”
Top Track: 1” Build-Out Header
Bottom Track: Walkover
Centermate: “T Lock” Centermate

BERTHA HV® ACCORDION SHUTTER SAMPLES

BERTHA HV® ACCORDION SHUTTER RADIUS TRACK

HV ® Accordion Shutter Radius Track
IN STOCK - HD Tracks Ceiling/Ceiling

<table>
<thead>
<tr>
<th>Track</th>
<th>Radius</th>
<th>HD Tracks Ceiling/Ceiling</th>
<th>Ceiling/Sill/Adaptor</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD Inside</td>
<td>22.5°</td>
<td>52-COLOR-122</td>
<td>52-COLOR-522</td>
</tr>
<tr>
<td>HD Inside</td>
<td>30°</td>
<td>52-COLOR-130</td>
<td>52-COLOR-530</td>
</tr>
<tr>
<td>HD Inside</td>
<td>45°</td>
<td>52-COLOR-145</td>
<td>52-COLOR-545</td>
</tr>
<tr>
<td>HD Inside</td>
<td>60°</td>
<td>52-COLOR-160</td>
<td>52-COLOR-560</td>
</tr>
<tr>
<td>HD Inside</td>
<td>90°</td>
<td>52-COLOR-190</td>
<td>52-COLOR-590</td>
</tr>
<tr>
<td>HD Outside</td>
<td>22.5°</td>
<td>52-COLOR-222</td>
<td>52-COLOR-622</td>
</tr>
<tr>
<td>HD Outside</td>
<td>30°</td>
<td>52-COLOR-230</td>
<td>52-COLOR-630</td>
</tr>
<tr>
<td>HD Outside</td>
<td>45°</td>
<td>52-COLOR-245</td>
<td>52-COLOR-645</td>
</tr>
<tr>
<td>HD Outside</td>
<td>60°</td>
<td>52-COLOR-260</td>
<td>52-COLOR-660</td>
</tr>
<tr>
<td>HD Outside</td>
<td>90°</td>
<td>52-COLOR-290</td>
<td>52-COLOR-690</td>
</tr>
<tr>
<td>SHD Inside</td>
<td>22.5°</td>
<td>52-COLOR-322</td>
<td>52-COLOR-722</td>
</tr>
<tr>
<td>SHD Inside</td>
<td>30°</td>
<td>52-COLOR-330</td>
<td>52-COLOR-730</td>
</tr>
<tr>
<td>SHD Inside</td>
<td>45°</td>
<td>52-COLOR-345</td>
<td>52-COLOR-760</td>
</tr>
<tr>
<td>SHD Inside</td>
<td>60°</td>
<td>52-COLOR-360</td>
<td>52-COLOR-722</td>
</tr>
<tr>
<td>SHD Inside</td>
<td>90°</td>
<td>52-COLOR-390</td>
<td>52-COLOR-730</td>
</tr>
<tr>
<td>SHD Outside</td>
<td>22.5°</td>
<td>52-COLOR-422</td>
<td>52-COLOR-822</td>
</tr>
<tr>
<td>SHD Outside</td>
<td>30°</td>
<td>52-COLOR-430</td>
<td>52-COLOR-830</td>
</tr>
<tr>
<td>SHD Outside</td>
<td>45°</td>
<td>52-COLOR-445</td>
<td>52-COLOR-845</td>
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<tr>
<td>SHD Outside</td>
<td>60°</td>
<td>52-COLOR-460</td>
<td>52-COLOR-860</td>
</tr>
<tr>
<td>SHD Outside</td>
<td>90°</td>
<td>52-COLOR-490</td>
<td>52-COLOR-890</td>
</tr>
</tbody>
</table>

SPECIAL ORDER - Call for more information
Custom Sizes & Lengths are Also Available
Available for HD™ Tracks and SHD™ Tracks (High Rise)

IN STOCK - HD Tracks Ceiling/Ceiling

52-COLOR-145 (Inside/HD) 45° Color*
52-WH-190  (Inside/HD) 90° White
52-MB-190  (Inside/HD) 90° Bronze

*Available in White (WH), Ivory (IV), Beige (BG) and Bronze (MB)

Ideal for Large Balconies or Bay Windows
Covered under US Patents 5458179 and 6779585

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<table>
<thead>
<tr>
<th>HV Accordion Screws</th>
<th>HV Bushings (boxes of 100)</th>
<th>HV Wheel Carriage WC10</th>
</tr>
</thead>
<tbody>
<tr>
<td>14D275TUW4/HV 14 x 2-3/4” Long</td>
<td>HVLONG1 Long White</td>
<td></td>
</tr>
<tr>
<td>14D175TUW4/HV 14 x 1-3/4” Long</td>
<td>HVLONG2 Long Black</td>
<td></td>
</tr>
<tr>
<td>10N275TUW4/HV 10 x 2-3/4” Long</td>
<td>HVSHORT1 Short White</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HVSHORT2 Short Black</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HVHAT1 Hat White Only</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>HV Push Button Lock</th>
<th>HV Egress Lock</th>
<th>HV Saltwater Lock &amp; HV Thumb screws</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOHV/WH White</td>
<td>LOHVTT/WH White</td>
<td>HVPLATE - Stainless Steel Plate</td>
</tr>
<tr>
<td>LOHV/BZ Bronze</td>
<td>LOHVTT/BZ Bronze</td>
<td>31C100MTPB/HV Black Thumbscrew</td>
</tr>
<tr>
<td>LOHV/BE Beige</td>
<td>LOHVTT/BE Beige</td>
<td>31C100MTPW/HV White Thumbscrew</td>
</tr>
<tr>
<td>LOHV/IV Ivory</td>
<td>LOHVTT/IV Ivory</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LOHVTT (cylinder only)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HD Lock</th>
<th>HV T-Handle Lock with J-Clip</th>
<th>HV Locking Pins</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOHRHB</td>
<td>LO/WH White</td>
<td>Please specify ¼-20 Stainless or 3/8-16 Nylon thumbscrew.</td>
</tr>
<tr>
<td>Hook Bolt Mortise Lock – SS</td>
<td>LO/BZ Bronze</td>
<td></td>
</tr>
<tr>
<td>LOBRCCL</td>
<td>LO/IV Ivory</td>
<td></td>
</tr>
<tr>
<td>Key cylinder – Brass/SS</td>
<td>LO/BE Beige</td>
<td></td>
</tr>
<tr>
<td>LOBRTT</td>
<td>J-Clip</td>
<td></td>
</tr>
<tr>
<td>Thumb turn cylinder – brass/SS</td>
<td>EA-J-CLIP</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HV Holdback Clip</th>
<th>HV 3/8 X ⅜ Acetel® Thumb Screw</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HVCLIP/BZ Black</td>
<td>37C75MTSN White</td>
<td></td>
</tr>
<tr>
<td>HVCLIP/WH White</td>
<td>37C75MTSN/B Black</td>
<td></td>
</tr>
<tr>
<td>HVCLIPFC/WH White (for Flat Centermates)</td>
<td>please specify white or black</td>
<td></td>
</tr>
<tr>
<td>HVCLIPFC/BK Black (for Flat Centermates)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>