## BERTHA HV® ACCORDION SHUTTER - BLADES 1 & 2

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

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

### BERTHA HV® BLADE #2
- 41-COLOR-406 x 16’ 6” (10 Pcs/Sub)
- 41-COLOR-411 x 18’ (120 Pcs/Master)

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

### BERTHA HV® UNIVERSAL FLOATER
- 41-COLOR-450 x 18’ (10 Pcs/Sub)

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

### TRACK FELT ROLL x 2000’ (.320/.270)
- 41-HV-320 Black Felt Roll

### BERTHA HV® CEILING HEADER #1 x 20’
- 41-COLOR-424 (4 Pcs.)

Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
Felt: 41-HV-320

### BERTHA HV® 3/8” BUILD OUT HEADER #1 x 20’
- 41-COLOR-425 (4 Pcs.)

Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
Felt: 41-HV-320

### BERTHA HV® 1” BUILD OUT HEADER #1 x 20’
- 41-COLOR-426 (4 Pcs.)

Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
Felt: 41-HV-320

### BERTHA HV® 2” BUILD OUT HEADER #1 x 20’
- 41-COLOR-433

Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
Felt: 41-HV-320

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### Hurricane 10

**EMS FL** 1-800-432-2204  1-800-343-8154  1-800-996-6061  1-888-822-6061
(561) 588-4780 - fax  (704) 391-2267 - fax  (281) 656-2297 - fax  (314) 344-3349 - fax

**EMS NC** 1-800-343-8154  1-800-996-6061  1-888-822-6061
(704) 391-2267 - fax  (281) 656-2297 - fax  (314) 344-3349 - fax

**EMS TX** 1-800-996-6061  1-888-822-6061
(281) 656-2297 - fax  (314) 344-3349 - fax

**EMS MO** 1-888-822-6061
(314) 344-3349 - fax

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Additional Locations: West Palm Beach & Lakeland, FL; Newark, DE; Akron, OH, Van Buren, AR; Atlanta, GA and Dallas, TX

**Website**: www.EasternMetal.com  **E-mail**: info@EasternMetal.com  **Version**: 03/06/19
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### BERTHA HV® HD CEILING HEADER #2 x 20'
- **41-COLOR-430** *(4 Pcs.)*
- Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
- Felt: 41-HV-320

### BERTHA HV® HD 3/8” BUILD OUT HEADER #2 x 20'
- **41-COLOR-431** *(4 Pcs.)*
- Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
- Felt: 41-HV-320

### BERTHA HV® HD 1” BUILD OUT HEADER #2 x 20'
- **41-COLOR-432** *(4 Pcs.)*
- Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
- Felt: 41-HV-320

### BERTHA HV® SHD™ CEILING HEADER x 20'
- **41-COLOR-470** *(10 Pcs.)*
- Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
- Felt: 41-HV-320

### BERTHA HV® 3/8” DIRECT MOUNT STARTER x 20'
- **41-COLOR-427** *(4 Pcs.)*
- Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

### BERTHA HV® 1” DIRECT MOUNT STARTER x 20'
- **41-COLOR-428** *(6 Pcs.)*
- Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

### BERTHA HV® 2” DIRECT MOUNT STARTER x 20'
- **41-COLOR-434** *(6 Pcs.)*
- Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

### BERTHA HV® 90/180 STARTER x 20'
- **41-COLOR-415** *(14 Pcs.)*
- Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

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**Hurricane 11**

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**EMS FL**
- 1-800-432-2204
- (561) 588-4780 - fax

**EMS NC**
- 1-800-343-8154
- (704) 391-2267 - fax

**EMS TX**
- 1-800-996-6061
- (281) 656-2297 - fax

**EMS MO**
- 1-888-822-6061
- (314) 344-3349 - fax

**Additional Locations:** West Palm Beach & Lakeland, FL; Newark, DE; Akron, OH, Van Buren, AR; Atlanta, GA and Dallas, TX

**website:** www.EasternMetal.com  
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**version:** 03/06/19

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BERTHA HV® ADJ TRACK w/FELT x 20'
41-COLOR-423 (6 Pcs.)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
Felt: 41-HV-320

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

BERTHA HV® WALKOVER TRACK x 20'
41-COLOR-440 (6 Pcs.)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
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 (6 Pcs.)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

BERTHA HV® CENTERMATE #1 X 20'
41-COLOR-421 (6 Pcs.) Self Mating
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

BERTHA HV® FLOATING CENTERMATE #2 X 20'
41-COLOR-422 (4 Pcs.)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

BERTHA HV® FEMALE T LOCK x 20'
41-COLOR-438 (4 Pcs.)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

BERTHA HV® MALE T LOCK x 20'
41-COLOR-437 (4 Pcs.)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

BERTHA HV® J-CLIP 52-63-4159F for T-Handle Lock
MF with pretreat; 4” x 2.75” x .125”
1/4” hole
100 pc/box

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website: www.EasternMetal.com e-mail: info@EasternMetal.com version: 03/06/19
BERTHA HV® ACCORDION SHUTTER - BLADES 1 & 2

Code Approvals: FBC (non-HVHZ), FBC (HVHZ), TDI, IBC/IRC

BERTHA HV® HD™ CENTERMATE
WITHOUT RODS x 20’
41-COLOR-439
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

BERTHA HV® HD™ CENTERMATE
WITH RODS x 20’
41-COLOR-435
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

BERTHA HV® RAINGUARD x 17’
41-COLOR-460 (10 Pcs.)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

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)

BERTHA HV® BUILD-OUT ANGLE x 20’
2-1/2 x 7 x .190 x 20’ With Inside Radius
11-COLOR-420  6063-T6
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

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® 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® WINDOW PUNCH

**SPECIAL ORDER**

**HVPUNCH**

### HV® WINDOW HAND TOOL

**HV-TOOL**

### BERTHA HV® ACCORDION WINDOW

#### 41-HV-WINDOW

**Patent Pending**

#### 3 HOLES - HV® BLADE # 1 X 6'

Punched Window 3 Holes

**41-COLOR-72P3**

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

3" Diameter Viewports on Blade (3 each)

30-1/4" End of Blade to centerline of first opening

Spacing @ 5-3/4" On Center

#### 5 HOLES - HV® BLADE # 1 X 8'

Punched Window 5 Holes

**41-COLOR-96P5**

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

3" Diameter Viewports on Blade (5 each)

36-1/2" End of Blade to centerline of first opening

Spacing @ 5-3/4" On Center

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**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

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### Hurricane 14

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<th>EMS NC</th>
<th>EMS TX</th>
<th>EMS MO</th>
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</thead>
<tbody>
<tr>
<td>1-800-432-2204</td>
<td>1-800-343-8154</td>
<td>1-800-996-6061</td>
<td>1-888-822-6061</td>
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<td>(314) 344-3349 - fax</td>
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**Additional Locations:** West Palm Beach & Lakeland, FL; Newark, DE; Akron, OH, Van Buren, AR; Atlanta, GA and Dallas, TX

**Website:** [www.EasternMetal.com](http://www.EasternMetal.com)

**E-mail:** info@EasternMetal.com

**Version:** 03/20/19
BERTHA HV® ACCORDION SHUTTER - BLADE 3
Code Approvals: FBC (non-HVHZ), FBC (HVHZ)

BERTHA HV® BLADE #3
41-COLOR-4100 x 18'
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

CLOSEOUT!

BERTHA HV® CEILING HEADER #1 x 20'
41-COLOR-424 (4 Pcs.)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
Felt: 41-HV-320

BERTHA HV® (3) 3/8" BUILD OUT TRACK x 20'
41-COLOR-462
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
Felt: 41-HV-320

BERTHA HV® 1" BUILD OUT TRACK x 20'
41-COLOR-426
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
Felt: 41-HV-320

BERTHA HV® (3) 2" BUILD OUT TRACK x 20'
41-COLOR-468
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
Felt: 41-HV-320

BERTHA HV® (3) 3/8" DIRECT MOUNT x 20' 41-COLOR-466
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

BERTHA HV® (3) 1" DIRECT MOUNT x 20' 41-COLOR-465
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

BERTHA HV® (3) 2" DIRECT MOUNT x 20' 41-COLOR-469
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

BERTHA HV® 90/180 STARTER x 20'
41-COLOR-415
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)

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<th>Product Description</th>
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| **BERTHA HV® ADJ TRACK**
 w/FELT x 20’
41-COLOR-423 (6 Pcs.)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
Felt: 41-HV-320 | ![Image](image1.png) | 3.550 | 1.350 | 1.917 |
| **BERTHA HV® (3) SILL ADAPTOR W/LIP x 20’**
41-COLOR-464
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG) | ![Image](image2.png) | 4.874 | 1.353 | 2.160 |
| **BERTHA HV® WALKOVER TRACK x 20’**
41-COLOR-440 (6 Pcs.)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
Felt: 41-HV-320
Accepts Vinyl Inserts (p15) | ![Image](image3.png) | 4.270 | 1.000 | 2.160 |
| **BERTHA HV® CENTERMATE**
#1 X 20’ Self Mating
41-COLOR-421 (6 Pcs.)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG) | ![Image](image4.png) | 4.000 | 1.450 | 1.917 |
| **BERTHA HV® FLOATING CENTERMATE #2 X 20’**
41-COLOR-422 (4 Pcs.)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG) | ![Image](image5.png) | 4.660 | 1.450 | 1.917 |
| **BERTHA HV® FEMALE T LOCK x 20’**
41-COLOR-438 (4 Pcs.)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG) | ![Image](image6.png) | 2.160 | 1.917 | 1.917 |
| **BERTHA HV® MALE T LOCK x 20’**
41-COLOR-437 (4 Pcs.)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG) | ![Image](image7.png) | 2.160 | 1.917 | 1.917 |
| **BERTHA HV® HD™ CENTERMATE w/o RODS x 20’**
41-COLOR-439
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG) | ![Image](image8.png) | 3.161 | .884 | – |
| **BERTHA HV® HD™ CENTERMATE WITH RODS x 20’**
41-COLOR-435
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG) | ![Image](image9.png) | 3.161 | .884 | – |
| **BERTHA HV® HD™ INSERT x 20’**
41-COLOR-436
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG) | ![Image](image10.png) | 3.161 | .884 | – |

**Hurricane 16**

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Website: www.EasternMetal.com  Email: info@EasternMetal.com  Version: 03/06/19
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® CENTERMATE SAMPLE
HV-SAMPLE 17” x 30”
Top Track: 1” Build-Out Header
Bottom Track: Walkover
Centermate: BERTHA HV® Centermate

BERTHA HV® ACCORDION SHUTTER RADIUS TRACK

HV ® Accordion Shutter Radius Track
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

SPECIAL ORDER - Call for more information

Custom Sizes & Lengths are Also Available
Available for HD™ Tracks and SHD™ Tracks (High Rise)

Price per Set 2 pc set - Sold in sets only 3 pc set - Sold in sets only

Hurricane 17

Additional Locations: West Palm Beach & Lakeland, FL; Newark, DE; Akron, OH, Van Buren, AR; Atlanta, GA and Dallas, TX

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<td>/LOWH White</td>
<td>Please specify ¼-20 or 3/8-16 thumbscrew. Also specify Stainless Steel or Nylon thumbscrew</td>
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<td>/HVCLIPWH - White</td>
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**HV Egress Lock**

- /LOHVTT/WH White
- /LOHVTT/BZ Bronze
- /LOHVTT/BE Beige
- /LOHVTT/IV Ivory
- /LOHVTT (cylinder only)

**HV Locking Pins**

Please specify ¼-20 or 3/8-16 thumbscrew. Also specify Stainless Steel or Nylon thumbscrew.

**HV 3/8 X ¾ Acetel® Thumb Screw**

- /37C75MTSN White
- /37C75MTSNB Black

Please specify white or black.