

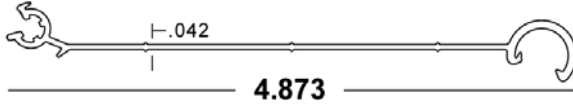
BERTHA HV[®] ACCORDION SHUTTER - BLADE 3

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

BERTHA HV[®] BLADE #3

41-COLOR-4000 x 14' 6" (10 Pcs/Sub)
 41-COLOR-4055 x 16' 6" (120 Pcs/Master)
 41-COLOR-4100 x 18'

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

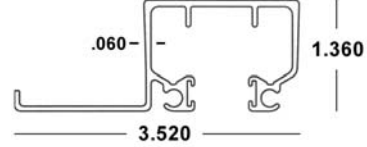


Covered under US Patents #5,458,179; #6,779,582

BERTHA HV[®] CEILING HEADER #1 x 20'

41-COLOR-424 (4 Pcs.)

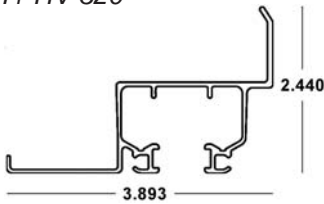
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
 Felt: 41-HV-320



BERTHA HV[®] (3) 3/8" BUILD OUT TRACK x 20'

41-COLOR-462

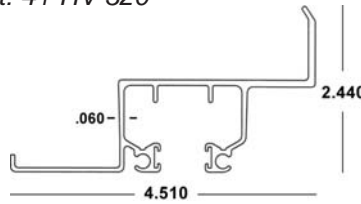
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
 Felt: 41-HV-320



BERTHA HV[®] 1" BUILD OUT TRACK x 20'

41-COLOR-426

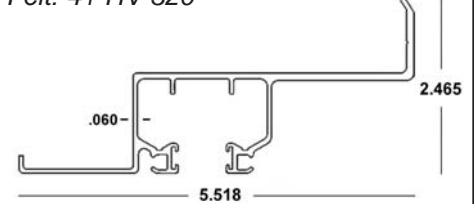
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
 Felt: 41-HV-320



BERTHA HV[®] (3) 2" BUILD OUT TRACK x 20'

41-COLOR-468

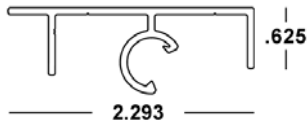
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
 Felt: 41-HV-320



BERTHA HV[®] (3) 3/8" DIRECT MOUNT x 20'

41-COLOR-466

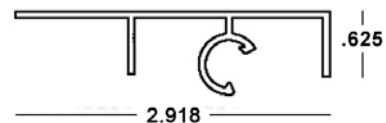
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)



BERTHA HV[®] (3) 1" DIRECT MOUNT x 20'

41-COLOR-465

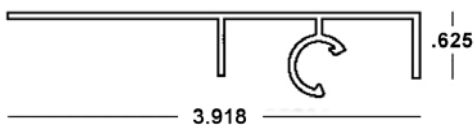
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)



BERTHA HV[®] (3) 2" DIRECT MOUNT x 20'

41-COLOR-469

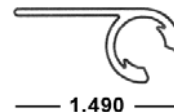
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)



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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website: www.easternmetal.com

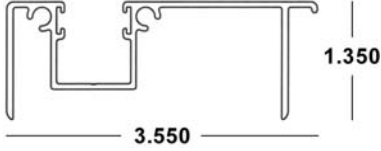
e-mail: info@easternmetal.com

version: 11/15/10

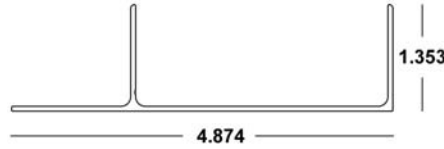
BERTHA HV[®] ACCORDION SHUTTER - BLADE 3

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

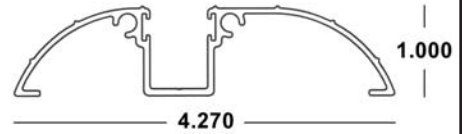
BERTHA HV[®] ADJ TRACK
w/FELT x 20'
41-COLOR-423 (6 Pcs.)
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)
Felt: 41-HV-320



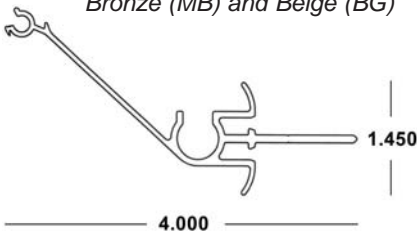
BERTHA HV[®] (3) SILL
ADAPTOR W/LIP x 20'
41-COLOR-464
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)



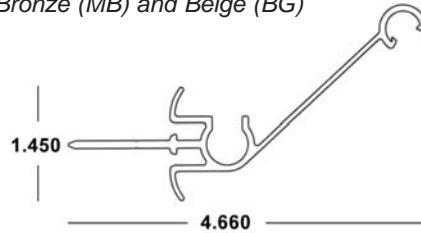
BERTHA HV[®] WALKOVER
TRACK x 20'
41-COLOR-440 (6 Pcs.)
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)
Felt: 41-HV-320



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

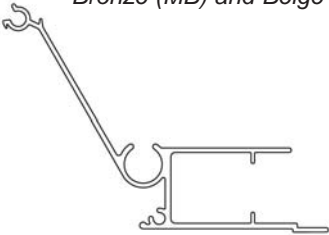


BERTHA HV[®] FLOATING
CENTERMATE #2 X 20'
41-COLOR-422 (4 Pcs.)
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)

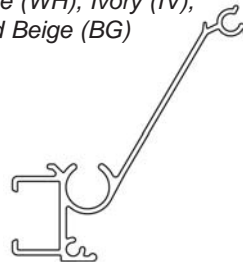


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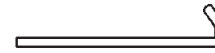
BERTHA HV[®] FEMALE T
LOCK x 20'
41-COLOR-438 (4 Pcs.)
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)



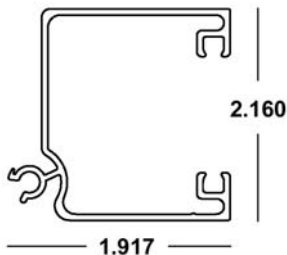
BERTHA HV[®] MALE T LOCK
x 20'
41-COLOR-437 (4 Pcs.)
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)



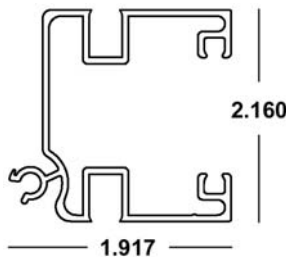
BERTHA HV[®] CENTERLOCK
CLIP x 10' 2"
52-63-4159 *with pretreat
Mill Finish*



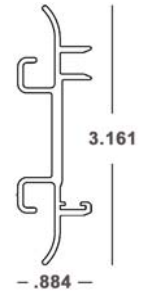
BERTHA HV[®] HD[™] CENTER-
MATE w/o RODS x 20'
41-COLOR-439
Available in
White (WH)
Ivory (IV)
Bronze (MB)
Beige (BG)



BERTHA HV[®] HD[™] CENTER-
MATE WITH RODS x 20'
41-COLOR-435
Available in
White (WH)
Ivory (IV)
Bronze (MB)
Beige (BG)



BERTHA HV[®] HD[™]
INSERT x 20'
41-COLOR-436
Available in White (WH),
Ivory (IV), Bronze (MB)
and Beige (BG)



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[version: 11/15/10](#)

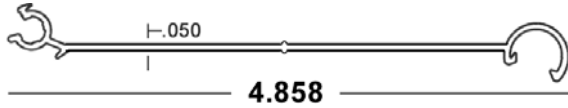
BERTHA HV[®] ACCORDION SHUTTER - BLADES 1 & 2

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

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)

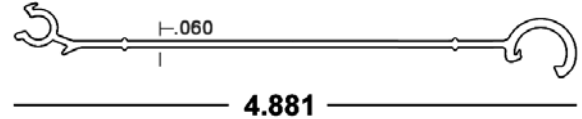


Covered under US Patents #5,458,179; #6,779,582

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)

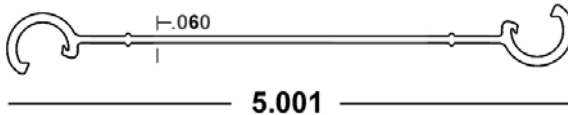


Covered under US Patents #5,458,179; #6,779,582

BERTHA HV[®] UNIVERSAL FLOATER

41-COLOR-450 x 18' (10 Pcs/Sub)

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



FELT ROLL x 1,750' (.320/.270)

41-HV-320 Black Felt Roll

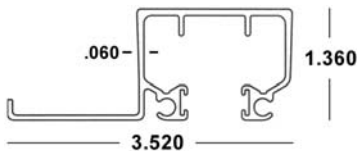


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BERTHA HV[®] CEILING HEADER #1 x 20'

41-COLOR-424 (4 Pcs.)

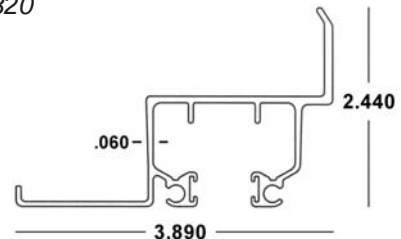
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
 Felt: 41-HV-320



BERTHA HV[®] 3/8" BUILD OUT HEADER #1 x 20'

41-COLOR-425 (4 Pcs.)

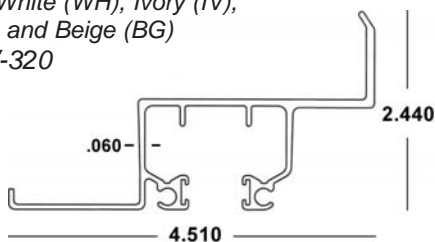
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
 Felt: 41-HV-320



BERTHA HV[®] 1" BUILD OUT HEADER #1 x 20'

41-COLOR-426 (4 Pcs.)

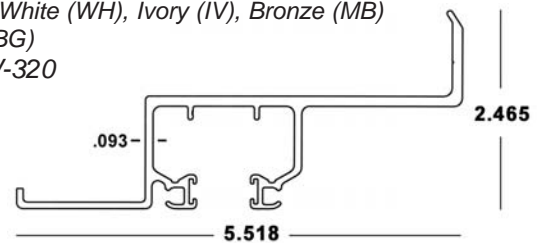
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
 Felt: 41-HV-320



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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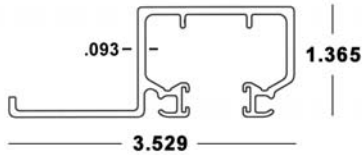
BERTHA HV[®] ACCORDION SHUTTER - BLADES 1 & 2

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

BERTHA HV[®] HD CEILING
HEADER #2 x 20'

41-COLOR-430 (4 Pcs.)

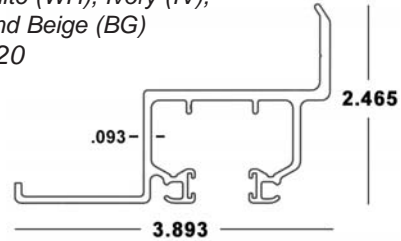
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
Felt 41-HV-320



BERTHA HV[®] HD 3/8" BUILD OUT
HEADER #2 x 20'

41-COLOR-431 (4 Pcs.)

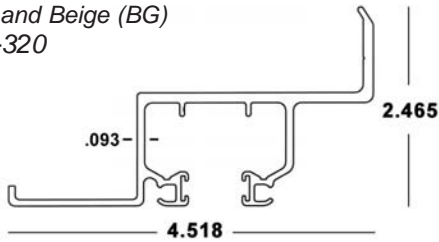
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)
Felt: 41-HV-320



BERTHA HV[®] HD 1" BUILD OUT
HEADER #1 x 20'

41-COLOR-432 (4 Pcs.)

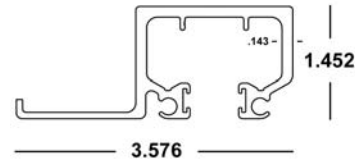
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)
Felt: 41-HV-320



BERTHA HV[®] SHD[™] HEADER #1 x 20'

41-COLOR-470 (10 Pcs.)

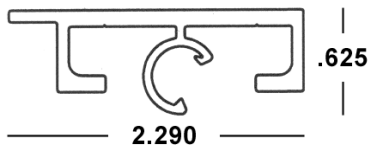
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
Felt: 41-HV-320



BERTHA HV[®] 3/8" DIRECT MOUNT
STARTER x 20'

41-COLOR-427 (4 Pcs.)

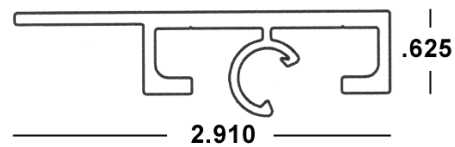
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)



BERTHA HV[®] 1" DIRECT MOUNT
STARTER x 20'

41-COLOR-428 (6 Pcs.)

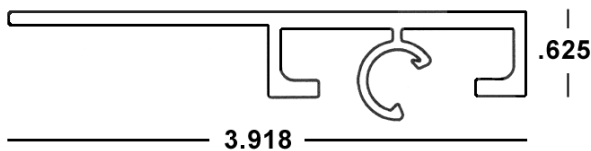
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)



BERTHA HV[®] 2" DIRECT MOUNT
STARTER x 20'

41-COLOR-434 (6 Pcs.)

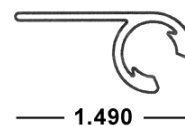
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)



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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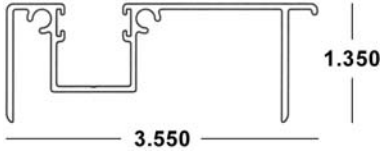
e-mail: info@easternmetal.com

version: 11/15/10

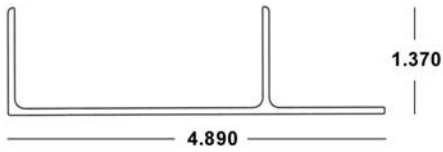
BERTHA HV[®] ACCORDION SHUTTER - BLADES 1 & 2

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

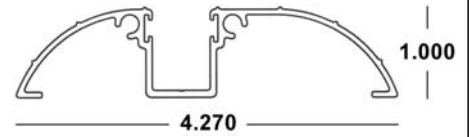
BERTHA HV[®] ADJ TRACK
w/FELT x 20'
41-COLOR-423 (6 Pcs.)
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)
Felt: 41-HV-320



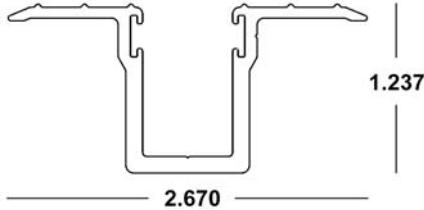
BERTHA HV[®] SILL
ADAPTOR W/LIP x 20'
90-COLOR-012 (6 Pcs.)
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)



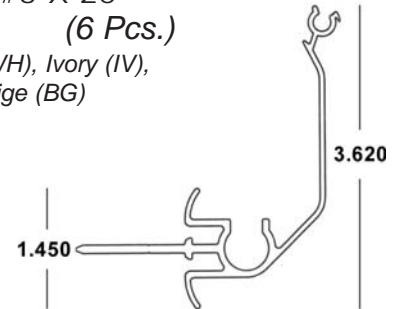
BERTHA HV[®] WALKOVER
TRACK x 20'
41-COLOR-440 (6 Pcs.)
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)
Felt: 41-HV-320



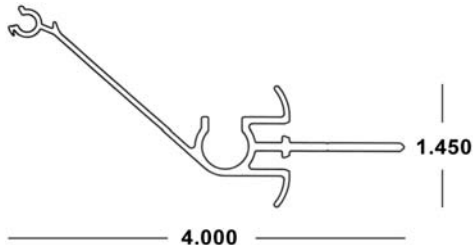
BERTHA HV[®] ANODIZED
TRENCH TRACK x 20'
41-63-437 Silver Anodized
Felt: 41-HV-320



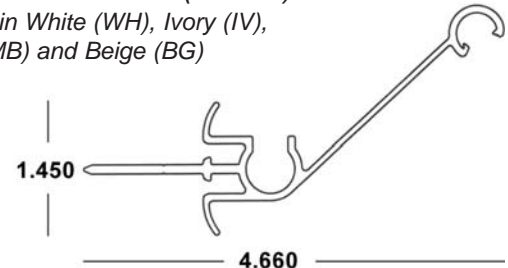
BERTHA HV[®] CORNER
CENTERMATE #3 X 20'
41-COLOR-429 (6 Pcs.)
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)



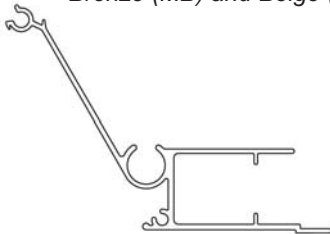
BERTHA HV[®] CENTERMATE #1 X 20'
41-COLOR-421 (6 Pcs.) Self Mating
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)



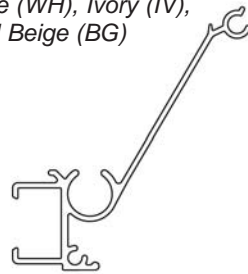
BERTHA HV[®] FLOATING
CENTERMATE #2 X 20'
41-COLOR-422 (4 Pcs.)
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)



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[®] CENTERLOCK
CLIP x 10' 2"
52-63-4159 with pretreat
Mill Finish



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e-mail: info@easternmetal.com

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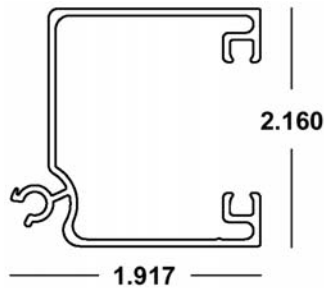
BERTHA HV[®] ACCORDION SHUTTER - BLADES 1 & 2

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

BERTHA HV[®] HD[™] CENTERMATE
WITHOUT RODS x 20'

41-COLOR-439

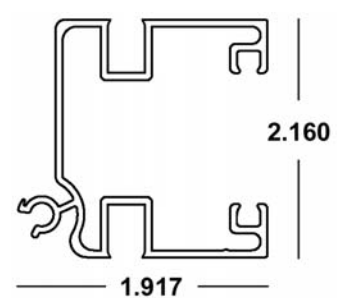
Available in White (WH),
Ivory (IV), Bronze (MB)
and Beige (BG)



BERTHA HV[®] HD[™] CENTERMATE
WITH RODS x 20'

41-COLOR-435

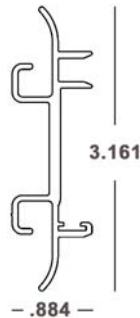
Available in White (WH),
Ivory (IV), Bronze (MB)
and Beige (BG)



BERTHA HV[®] HD[™]
INSERT x 20'

41-COLOR-436

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

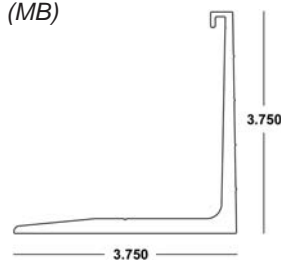


Mates with BERTHA
HV[®] HD[™] Centermates

BERTHA HV[®] RAINGUARD x 17'

41-COLOR-460 (10 Pcs.)

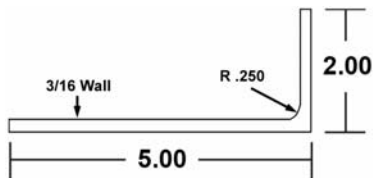
Available in White (WH),
Ivory (IV), Bronze (MB)
and Beige (BG)



BERTHA HV[®] BUILD-OUT ANGLE x 20'
2 x 5 x .190 x 20' With Inside Radius

11-COLOR-413 6063-T6

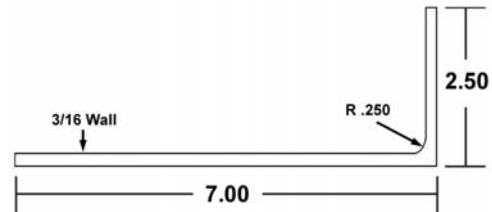
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)



BERTHA HV[®] BUILD-OUT ANGLE x 20'
2-1/2 x 7 x .190 x 20' With Inside Radius

11-COLOR-420 6063-T6

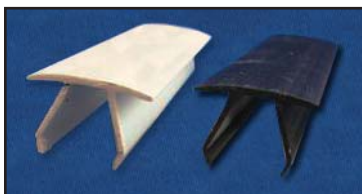
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)



BERTHA HV[®] VINYL INSERTS

41-WH-Insert

41-BK-Insert



BERTHA HV[®] COMBO BLADE LABEL
LABEL-3 (250 per Roll)

Warning:
During periods of hurricane warnings, home-owner, tenant or others must properly close all BERTHA HV[®] & HD centermates and engage or lock all BERTHA HV[®] & HD locks.

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Hurricane 12



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[EMS TX](#)

1-800-996-6061
(281) 656-2297 - fax

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Additional Locations: West Palm Beach & Lakeland, FL and Newark, DE

website: www.easternmetal.com

e-mail: info@easternmetal.com

version: 01/13/11

BERTHA HV[®] ACCORDION WINDOW

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

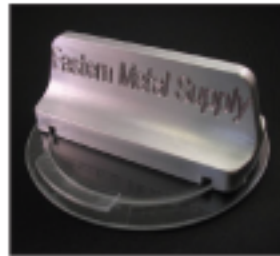
HV[®] WINDOW PUNCH

HVPUNCH



HV[®] WINDOW HAND TOOL

HV-TOOL



BERTHA HV[®] ACCORDION WINDOW

41-HV-WINDOW

Patent Pending

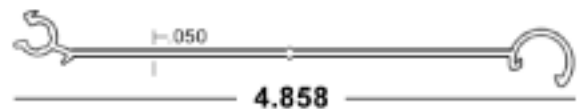


HV[®] BLADE # 1 X 8" - Punched Window 5 Hole
41-COLOR-96P5

HV[®] BLADE # 1 X 8" - Punched Window 3 Hole
41-COLOR-96P3

HV[®] BLADE # 1 X 6" - Punched Window 3 Hole
41-COLOR-72P3

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



HVPUNCH-1 (Pic at right:)

Top Row Components Left to Right:
Base Die, 3/4" Socket, 3/4" Metal & Teflon
Washers, 3/4" Compression Bolt

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

Bottom Row Components Left to Right:
Cutting Die w/ Thrust Bearing, 1" Hole Saw

Far right pic: HVPUNCH-1 in case



Hurricane 13



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BERTHA HV[®] ACCORDION SHUTTER SAMPLES

BERTHA HV[®] ACCORDION KIT

HV-KIT



Includes Mini Sample; Boxed 6" Components

BERTHA HV[®] CENTERMATE SAMPLE

HV-SAMPLE 17" x 30"



Top Track: 1" Build-Out Header
Bottom Track: Walkover
Centermate: BERTHA HV[®] Centermate

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

Hurricane 14

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e-mail: info@easternmetal.com

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BERTHA HV[®] ACCORDION COMPONENTS FROM



HV ACCORDION SCREWS

14D275TUW4/HV 14 x 2-3/4" Long
\$11.50/c 10,000 and more \$10.75/c
25,000 and more \$10.00/c

14D175TUW4/HV 14 x 1-3/4" Long
\$8.50/c 10,000 and more \$8.00/c
25,000 and more \$7.25/c

10N275TUW4/HV 10 x 2-3/4" Long
\$7.00/c, 10,000 and more \$6.75/c, 25,000
and more \$6.50/c



HV BUSHINGS boxes of 100

/HVLONG1 Long White \$2.20

/HVLONG2 Long Black \$2.20

/HVSHORT1 Short White \$2.12

/HVSHORT2 Short Black \$2.12

/HVHAT1 Hat White Only \$1.10



HV PUSH LOCKS

/LOHVBE Beige \$4.75/ea

/LOHVZ Bronze \$4.75/ea

/LOHVIV Ivory \$4.75/ea

/LOHVWH White \$4.75/ea



HV EGRESS LOCK

/LOHVTT/WH White \$4.75/ea

/LOHVTT/BZ Bronze \$4.75/ea

/LOHVTT/BE Beige \$4.75/ea

/LOHVTT/IV Ivory \$4.75/ea

/LOHVTT (cylinder only) \$3.50/ea

200 and more \$4.50/each

500 and more \$4.00/each



HV 3/8 X 3/4 ACETEL[®] THUMB SCREW

/37C75MTSN White \$.35/ea

/37C75MTSNB Black \$.35/ea

please specify white or black



HV WHEEL CARRIAGE

/WC10 \$.31/ea



HD LOCK

/LOHRHB \$6.00/ea

Hook Bolt Mortise Lock -SS

/LOBRCL \$4.25/ea

Key cylinder - Brass/SS

/LOBRTT \$4.75/ea

Thumb turn cylinder - brass/SS



HV T-HANDLE LOCK

/LOWH White \$3.30/ea

/LOBZ Bronze \$3.30/ea

/LOIV Ivory \$3.30/ea

/LOBE Beige \$3.30/ea



HV LOCKING PINS

Please specify 1/4-20 or 3/8-16
thumbscrew. Also specify Stainless
Steel or Nylon thumbscrew



HV SNAP TRACK

/ECSC \$.50/ea



HV HOLDBACK CLIP

/HVCLIPBZ - Black \$.75/ea

/HVCLIPWH - White \$.75/ea

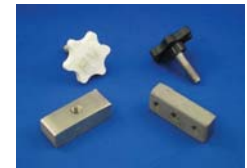


HV PLATE & THUMBSCREWS

/HVPLATE - Stainless Plate \$3.95/ea

/31C100MTPB/HV - Black Thumbscrew
\$.40/ea

/31C100MTPW/HV - White Thumbscrew
\$.40/ea



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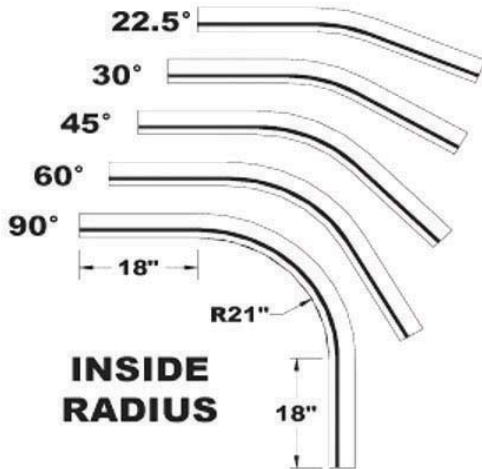
version: 03/01/11

BERTHA HV[®] ACCORDION SHUTTER RADIUS TRACK

Ideal for Large Balconies or Bay Windows

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

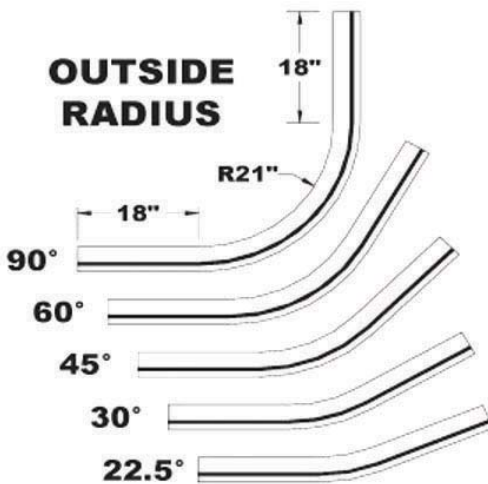
Available for HD[™] Tracks and SHD[™] Tracks (High Rise)



HD Tracks Ceiling / Ceiling				Ceiling / Sill / Adaptor		
Inside	HD	22.5 °	52-COLOR-122	\$120.00	52-COLOR-522	\$180.00
Inside	HD	30 °	52-COLOR-130	\$130.00	52-COLOR-530	\$192.00
Inside	HD	45 °	52-COLOR-145	\$150.00	52-COLOR-545	\$225.00
Inside	HD	60 °	52-COLOR-160	\$170.00	52-COLOR-560	\$255.00
Inside	HD	90 °	52-COLOR-190	\$195.00	52-COLOR-590	\$293.00

Outside	HD	22.5 °	52-COLOR-222	\$120.00	52-COLOR-622	\$180.00
Outside	HD	30 °	52-COLOR-230	\$130.00	52-COLOR-630	\$192.00
Outside	HD	45 °	52-COLOR-245	\$150.00	52-COLOR-645	\$225.00
Outside	HD	60 °	52-COLOR-260	\$170.00	52-COLOR-660	\$255.00
Outside	HD	90 °	52-COLOR-290	\$195.00	52-COLOR-690	\$293.00

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



SHD Tracks Ceiling / Ceiling				Ceiling / Sill / Adaptor		
Inside	SHD	22.5 °	52-COLOR-322	\$130.00	52-COLOR-722	\$195.00
Inside	SHD	30 °	52-COLOR-330	\$140.00	52-COLOR-730	\$210.00
Inside	SHD	45 °	52-COLOR-345	\$160.00	52-COLOR-745	\$240.00
Inside	SHD	60 °	52-COLOR-360	\$180.00	52-COLOR-760	\$270.00
Inside	SHD	90 °	52-COLOR-390	\$205.00	52-COLOR-790	\$308.00

Outside	SHD	22.5 °	52-COLOR-422	\$130.00	52-COLOR-822	\$195.00
Outside	SHD	30 °	52-COLOR-430	\$140.00	52-COLOR-830	\$210.00
Outside	SHD	45 °	52-COLOR-445	\$160.00	52-COLOR-845	\$240.00
Outside	SHD	60 °	52-COLOR-460	\$180.00	52-COLOR-860	\$270.00
Outside	SHD	90 °	52-COLOR-490	\$205.00	52-COLOR-890	\$308.00

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

Not a Stock Item

Custom Sizes & Lengths are Also Available

Covered under US Patents 5458179 and 6779585

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