



2022 Approved Hurricane & Security Products

Product	FBC (Non-HVHZ)	FBC (HVHZ)	TDI Evaluation	IBC/IRC	Miami-Dade
---------	----------------	------------	----------------	---------	------------

• PANELS: Aluminum, Steel, Polycarbonate & Fabric:

2" 28 Ga Galvanized Steel BERTHA™ Panel	FL 22270 DWG#: EMS005	FL 22270 DWG#: EMS004			
2" .050 Aluminum BERTHA™ Panel	FL 11964 DWG#: 20-183	FL 39178 DWG#: 20-28317		IBC/IRC	
2" 24 GA Galv. Steel BERTHA™ Panel	FL 11964 DWG#: 20-178				
2" Clear Panel	FL28390 DWG#: 20-28341	FL28390 DWG#: 20-28341	Pending	IBC/IR DWG#: 18-6492	
2-1/4" .040 Aluminum BERTHA™ Panel	FL 11968 DWG#: 20-180				
2-1/4" .050 Aluminum BERTHA™ Panel	FL 11968 DWG#: 20-182	FL 11969 DWG#: 20-186	SHU-47 DWG#21-026		
2-1/4" 24 GA Galvanized Steel BERTHA™ Panel	FL 11968 DWG#: 20-181		SHU-235 DWG#21-027		
2-1/4" .030 Galvanized Steel BERTHA™ Panel		FL 11969 DWG#: 20-185			
2-1/4" BERTHA™ Clear Panel	FL 11968 DWG#: 20-184		SHU-168 DWG#21-028		
BERTHA™ Hurricane Fabric®	FL 13271 DWG#: 20-31278			Pending	

• NON-ASSA Shutters:

Bertha 40mm ER and Non-ER Roll Shutter			SHU-217 DWG#19-18642		
Bertha 55mm ER Roll Shutter			SHU-232 DWG#EMS006		
BERTHA™ Board & Batten Shutter	FL 11967 DWG# 20-188				
Brickhouse Low Pro Colonial Shutter			SHU-210		
Brickhouse Low Pro Bifold Colonial Shutter			SHU-212		
Brickhouse Low Pro Bahama Shutter			SHU-236		

- **FBC (Non-HVHZ):** Meets Florida Building Code for Non-High Velocity Hurricane Zones
- **FBC (HVHZ):** Meets Florida Building Code for High Velocity Hurricane Zones
- **TDI:** Meets Texas Department of Insurance Standards
- **IBC/IRC:** Meets International Building Code (IBC) and Meets International Residential Code (IRC)
- **Miami-Dade NOA:** Meets Florida Building Code for High Velocity Hurricane Zones (Dade County)



EASTERN METAL SUPPLY

HURRICANE 01
09/19/22

www.easternmetal.com

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061



2" Bertha™ Roll Form Storm Panel System



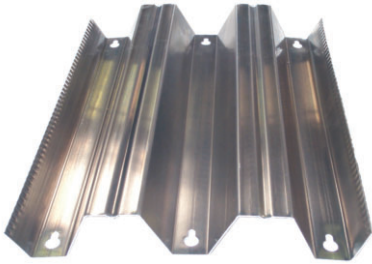
BEFORE Installation

AFTER Installation

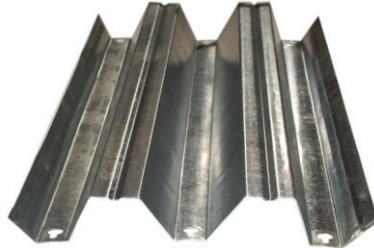
2" Panels	Hemmed	Knurled
.050 Aluminum	FL, NC	FL, NC
.050 AL 1/2 Panel	N/A	FL, NC
24 GA Galv. Steel	FL	FL, NC
24 GA Galv. 1/2 Panel	N/A	FL
28 GA Galv. Steel	FL	N/A



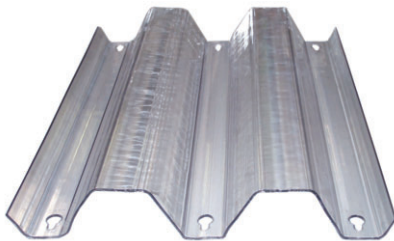
2" .050 BERTHA™ Aluminum Storm Panel Mill Finish
1/2 panel available
Code Approved: FBC (Non-HVHZ),
TDI, IBC/IRC



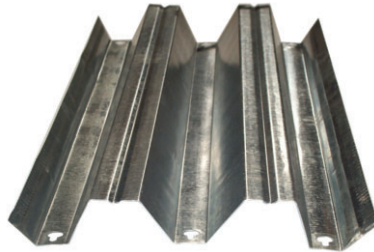
2" 24 GA BERTHA™ Galvanized Steel Storm Panel
1/2 panel available
Code Approved: FBC (Non-HVHZ)



2" BERTHA™ Clear Storm Panel
1/2 panel available
Code Approved: FBC (Non-HVHZ),
FBC (HVHZ), TDI, IBC/IRC

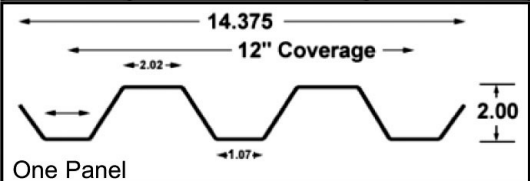


2" 28 GA BERTHA™ Galvanized Steel Storm Panel
Code Approved: FBC (Non-HVHZ),
FBC (HVHZ)

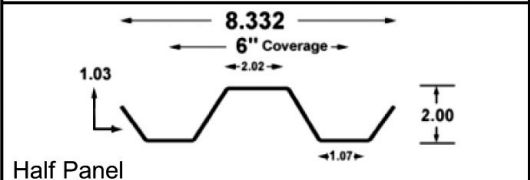


2" Coverage Chart

# of Panels	2" Total Panel Coverage	Cut Mounting Track At:
1	13.375"	14.375"
1.5	19.250"	20.375"
2	25.375"	26.375"
2.5	31.250"	32.375"
3	37.250"	38.375"
3.5	43.125"	44.375"
4	49.375"	50.375"
4.5	55.250"	56.375"
5	61.000"	62.375"
5.5	67.000"	68.375"
6	72.750"	74.375"
6.5	78.625"	80.375"
7	84.625"	86.375"
7.5	90.500"	92.375"
8	96.500"	98.375"
8.5	102.375"	104.375"
9	108.250"	110.375"
9.5	114.250"	116.375"
10	120.125"	122.375"
10.5	126.000"	128.375"
11	132.000"	134.375"
11.5	137.875"	140.375"
12	143.750"	146.375"
12.5	149.625"	152.375"
13	155.750"	158.375"
13.5	161.500"	164.375"
14	167.375"	170.375"
14.5	173.250"	176.375"
15	179.625"	182.375"
15.5	185.500"	188.375"
16	191.500"	194.375"
16.5	197.375"	200.375"
17	203.625"	206.375"
17.5	209.500"	212.375"
18	215.500"	218.375"



One Panel



Half Panel

Any item manufactured in FL is available via shuttle to the other branches.
Any item manufactured in NC is available via shuttle to TX.
FL • NC • TX maintain inventory of 20' panels that can be offline punched and cut to size.



EASTERN METAL SUPPLY

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061

HURRICANE 02
05/07/21

www.easternmetal.com

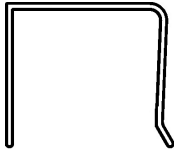


2" Bertha™ Roll Form Storm Panel System

BERTHA™ U-Header

2" x .094" x 20'

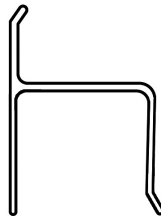
40-WH-4500 White
40-MB-4500 Bronze
40-WH-450 (.062) White Non-Approved
40-MB-450 (.062) Bronze Non-Approved



BERTHA™ H-Header

2" x .094" x 20'

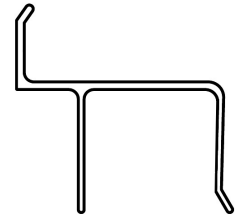
40-WH-3500 White
40-MB-3500 Bronze
40-WH-350 (.062) White Non-Approved
40-MB-350 (.062) Bronze Non-Approved



BERTHA™ 1" Build-Out Header

2" x .094" x 20'

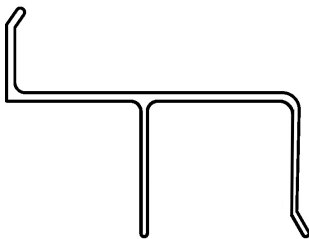
40-WH-3550 White
40-MB-3550 Bronze



BERTHA™ 2" Build-Out Header

2" x .094" x 20'

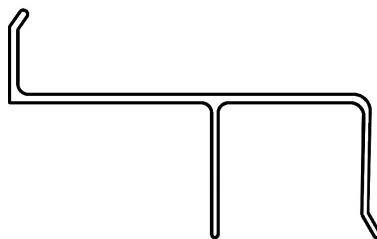
40-WH-3560 White
40-MB-3560 Bronze



BERTHA™ 3" Build-Out Header

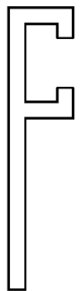
2" x .094" x 20'

40-WH-3570 White
40-MB-3570 Bronze



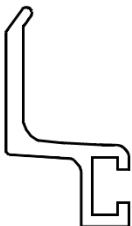
BERTHA™ Studless Flat Track x 20'

40-63-615 (TX) M/F
40-WH-615 White
40-MB-615 Bronze



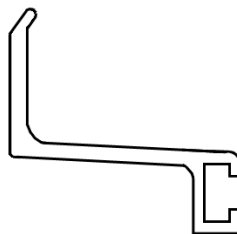
BERTHA™ 1" Studless Track x 20'

40-WH-630 White
40-MB-630 Bronze



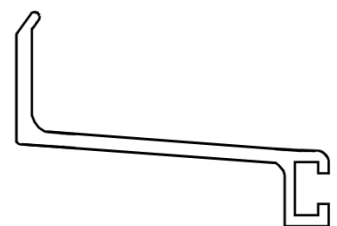
BERTHA™ 2" Studless Track x 20'

40-WH-632 White
40-MB-632 Bronze



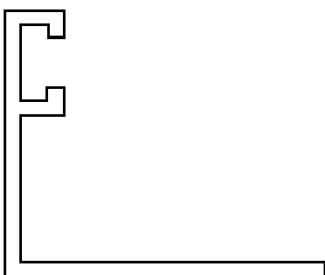
BERTHA™ 3" Studless Track x 20'

40-WH-635 White



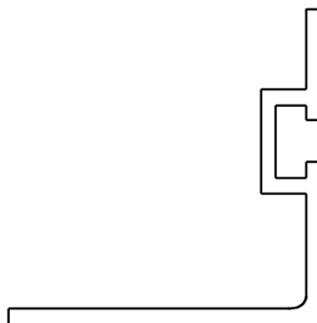
BERTHA™ Studless Angle Track x 20'

40-WH-610 White
40-MB-610 Bronze



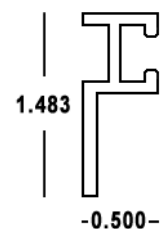
BERTHA™ Reverse "F" Track x 20'

40-WH-620 White



BERTHA™ Stucco F-Track x 20'

MILL ORDER 52-63-5615 1/2"



2-1/4" Bertha™ Roll Form Storm Panel System



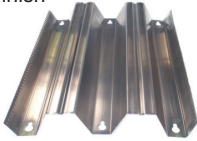
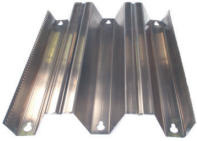
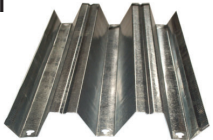
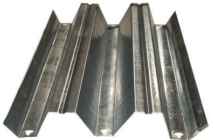
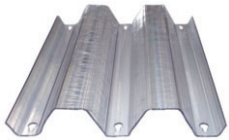
BEFORE Installation

AFTER Installation

2-1/4" Panels	Hemmed	Knurled
.040 Aluminum	N/A	FL
.050 Aluminum	N/A	FL
.050 Aluminum - 1/2 Panel	N/A	FL
24 GA Galv. Steel	FL	FL
24 GA Galv. - 1/2 Panel	N/A	FL
.030 Miami Dade Galv. Steel	N/A	FL



Any item manufactured in FL is available via shuttle to the other branches.

2-1/4" .040 BERTHA™ Aluminum Storm Panel Mill Finish <i>Code Approved: FBC (Non-HVHZ)</i> 	2-1/4" .050 BERTHA™ Aluminum Storm Panel Mill Finish & White 1/2 panel available <i>Code Approved: FBC (Non-HVHZ), FBC (HVHZ), TDI</i> 
2-1/4" 24 GA BERTHA™ Galvanized Steel Storm Panel 1/2 panel available <i>Code Approved: FBC (Non-HVHZ)</i> 	2-1/4" .030 GA BERTHA™ Galvanized Steel Storm Panel 1/2 panel available <i>Code Approved: FBC (HVHZ)</i> 
2-1/4" BERTHA™ Clear Storm Panel <i>Code Approved: FBC (Non-HVHZ), TDI</i> 	

Pre-Cut 2-1/4" Storm Panels

FL: In Stock; NC: Mfg lead time less than 1 week

.040 Aluminum Mill Finish

80-40-33 x 33"
80-40-47 x 47"
80-40-57 x 57"
80-40-70 x 70"
80-40-88 x 88"
80-40-102 x 102"

.050 Aluminum Mill Finish

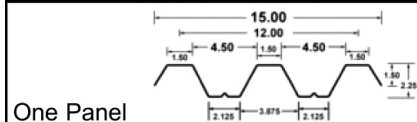
77-52-33 x 33"
77-52-47 x 47"
77-52-57 x 57"
77-52-70 x 70"
77-52-88 x 88"
77-52-102 x 102"

Clear Panel Polycarbonate

79-06-33 x 33"
79-06-47 x 47"
79-06-57 x 57"
79-06-70 x 70"
79-06-88 x 88"
79-06-102 x 102"

2-1/4" Coverage Chart

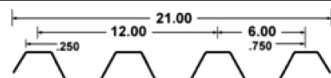
# OF PANELS	TOTAL PANEL COVERAGE	CUT TRACK AT:
1	13.375"	15"
1-1/2	19.250"	21"
2	25.375"	27"
2-1/2	31.250"	33"
3	37.250"	39"
3-1/2	43.125"	45"
4	49.375"	51"
4-1/2	55.250"	57"
5	61.000"	63"
5-1/2	67.000"	69"
6	72.750"	75"
6-1/2	78.625"	81"
7	84.625"	87"
7-1/2	90.500"	93"
8	96.500"	99"
8-1/2	102.375"	105"
9	108.250"	111"
9-1/2	114.250"	117"
10	120.125"	123"
10-1/2	126.000"	129"
11	132.000"	135"
11-1/2	137.875"	141"
12	143.750"	147"
12-1/2	149.625"	153"
13	155.500"	159"
13-1/2	161.500"	165"
14	167.375"	171"
14-1/2	173.250"	177"
15	179.125"	183"
15-1/2	185.000"	189"
16	191.000"	195"
16-1/2	197.375"	201"
17	203.625"	207"
17-1/2	209.500"	213"
18	215.500"	219"



One Panel



Two Panels



One & a Half Panels



EASTERN METAL SUPPLY

HURRICANE 04
06/14/21

www.easternmetal.com

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061

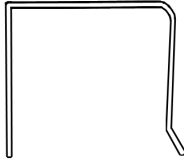


2-1/4" Bertha™ Roll Form Storm Panel System

BERTHA™ U-Header

2-1/4" x .075" x 19'

41-WH-510 White
41-MB-510 Bronze



BERTHA™ H-Header

2-1/4" x .075" x 19'

41-WH-500 White
41-MB-500 Bronze

Custom Lengths

White (FL)

41-WH-39 x 39"

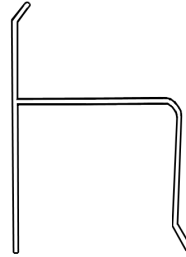
41-WH-51 x 51"

41-WH-63 x 63"

41-WH-75 x 75"

41-WH-87 x 87"

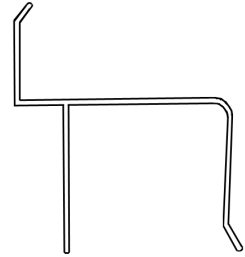
41-WH-99 x 99"



BERTHA™ 1" Build-Out Header

2-1/4" x .075" x 19'

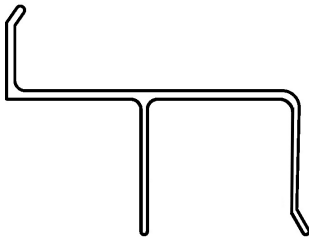
41-WH-520 White
41-MB-520 Bronze



BERTHA™ 2" Build-Out Header

2-1/4" x .075" x 19'

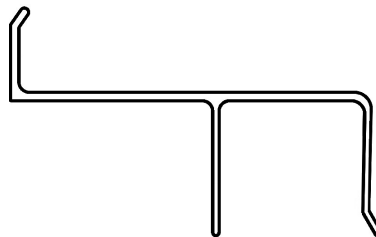
41-WH-522 White



BERTHA™ 3" Build-Out Header

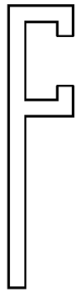
2-1/4" x .075" x 19'

41-WH-525 White



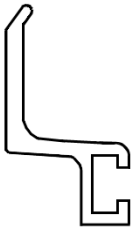
BERTHA™ Studless Flat Track x 20'

40-63-615 (TX) M/F
40-WH-615 White
40-MB-615 Bronze



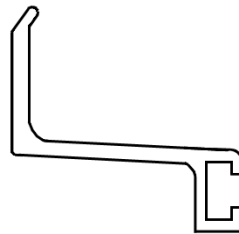
BERTHA™ 1" Studless Track x 20'

40-WH-630 White
40-MB-630 Bronze



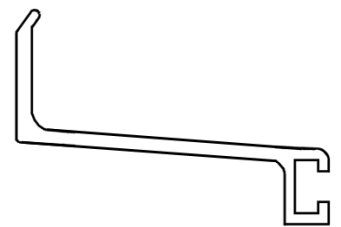
BERTHA™ 2" Studless Track x 20'

40-WH-632 White
40-MB-632 Bronze



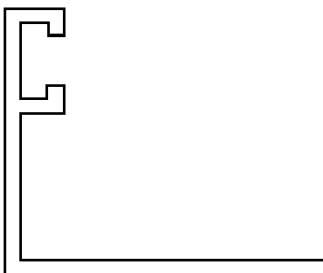
BERTHA™ 3" Studless Track x 20'

40-WH-635 White



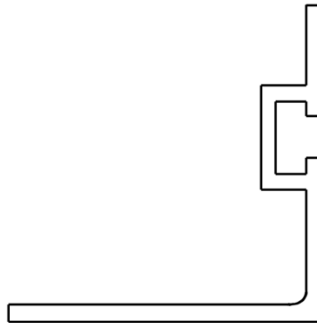
BERTHA™ Studless Angle Track x 20'

40-WH-610 White
40-MB-610 Bronze



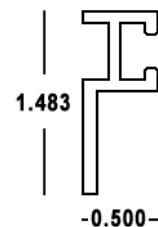
BERTHA™ Reverse "F" Track x 20'

40-WH-620 White



BERTHA™ Stucco F-Track x 20'

MILL ORDER 52-63-5615 1/2"



2" Bertha™ Roll Form Storm Panel System

BERTHA™ Studded Angle 6" On Center

2 x 2 x .093 x 24' 3"

Standard:

Finish:

Reverse:

11-MF-500

M/F

N/A

11-WH-500

White

11-WH-500RS

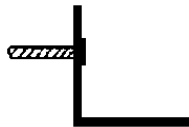
11-MB-500

Bronze

11-MB-500RS



Standard



Reverse

BERTHA™ Studded Angle 12" On Center

2 x 2 x .093 x 24' 3"

Standard:

Finish:

Reverse:

N/A

M/F

N/A

11-WH-510

White

Special Order 11-WH-510RS

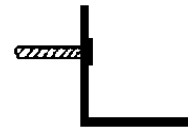
11-MB-510

Bronze

Special Order 11-MB-510RS



Standard



Reverse

BERTHA™ Studded Angle 12" On Center

2 x 2 x .093 x pre-cut lengths

White Standard:

11-WH-39 x 39"

11-WH-51 x 51"

11-WH-63 x 63"

11-WH-75 x 75"

11-WH-87 x 87"

11-WH-99 x 99"



BERTHA™ Low Profile Studded Angle

1.75 x 5/8 x 24' 3"

6" On Center

11-WH-455 White

12" On Center

11-WH-460 White



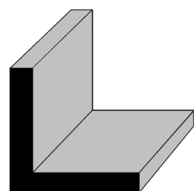
BERTHA™ Standard Angle

2 x 2 x .093 x 20'

51-63-544 (TX) White

51-63-543 Bronze

52-63-013 Ivory



BERTHA™ Standard Angle

2 x 2 x .125 x 20'

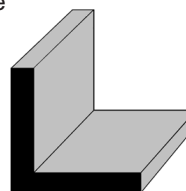
11-63-315 M/F

11-WH-376 White

11-MB-376 Bronze

11-IV-376 Ivory

11-BG-376 Beige



BERTHA™ Clamshell

Cover Cap x 20' 3"

52-63-8292 White

Mates with Studded Plate



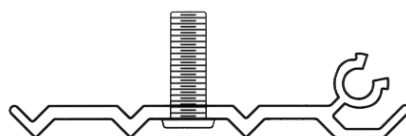
BERTHA™ Clamshell

Studded Plate x 20' 3"

Mates with Cover Cap

52-63-8291 White; Non Studded

SPECIAL ORDER Punched Plate up to 8'



End Cap for Clamshell

ECSC White

Accepts #14 Screw



Bertha™ Hurricane Fabric™

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



HURRICANE FABRIC

BERTHA™ Hurricane Fabric™ MASTER ROLL

2825 Sq Ft 9' 5" x 300' (280 lbs)
12" OD; 3" ID Cardboard Tube
Includes 4800 Screws
Special Order 41-WH-95300 White
Special Order 41-TN-95300 Tan



BERTHA™ Hurricane Fabric™ CUT-TO-LENGTH

Clips Included; 6" OC, 2 Sides Only
41-WH-95300 White
41-TN-95300 Tan
Based on Length



BERTHA™ Hurricane Fabric™ CUT-TO-SIZE

Clips Included; 6" OC, 2 Sides Only
41-WH-95300 White
41-TN-95300 Tan
Based on Square Footage



BERTHA™ Hurricane Fabric™ Clip

(pack of 24)
Bag includes screws and clips
SPECIAL ORDER 41-CLIP-BULK Black



BERTHA™ Hurricane Fabric™ Clip

One Each
41-BK-CLIP Black



#8 x 1/2" SMS Pan Head Phillips 410 SS (Bag of 8)

41-85410PH



BERTHA™ Hurricane Fabric™ Storage Bag

28.5" wide x 44" Long
41-AG-BAG Maroon



BERTHA™ Hurricane Fabric™ Label

FBC (250 per roll)
LABEL-5



BERTHA™ Hurricane Fabric™ Sample

10" x 10" with Label & Clip
41-WH-AGSAMPLE White
41-TN-AGSAMPLE Tan



EASTERN METAL SUPPLY
FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061

HURRICANE 07
05/07/21

www.easternmetal.com





2022 Approved Hurricane & Security Products

Product Description	FBC (Non-HVHZ)	FBC (HVHZ)	TDI Evaluation	IBC/IRC	Miami-Dade Assoc. Approval
HV® Essential Accordion	FL32030 DWG #20-31274	FL32030 DWG #20-31274	Submittal ID #9980		
HV® Accordion System (Blade 1)	FL389 DWG #20-164 FL32030 DWG #20-31270	FL1850 DWG #20-169 FL32030 DWG #20-31270	Submittal ID #9983	IBC/IRC DWG #20-31291	
HV® Accordion System (Combo - Blade 1 & 2)	FL 389 DWG# 20-163	FL 1850 DWG# 20-159			
40mm BERTHA™ ER Roll Shutter End Retention	FL32029 DWG #20-31262	FL32029 DWG #20-31262 FL17204 DWG #20-173	SHU-217 DWG# 19-18642	IBC/IRC DWG #20-31289	
55mm BERTHA™ ER Roll Shutter Retention & Non Retention	FL 22558 DWG#: EMS002	FL 22558 DWG#: EMS003	SHU-232 DWG# EMS006		
58mm BERTHA™ ER Roll Shutter Retention & Non Retention	FL5790 DWG #20-0401 FL20716 DWG #20-171	FL 17424 DWG#: 20-172			
Single Wall Slat Roll Shutter (63mm)	FL 31658 DWG#: 20-31266	FL 31658 DWG#: 20-31266	SHU-240 DWG# 20-26533	IBC/IRC DWG #20-31292	
BERTHA™ Colonial Shutter (Impact)	FL 2681 DWG# 20-167	FL 2681 DWG# 20-162		DWG# 06-214	
BERTHA™ Bahama Shutter (Impact)	FL 2683 DWG# 20-167	FL6566 DWG# 20-161			
HIGH VISIBILITY (HV) Colonial Shutter	FL 8200 DWG# 20-170			Pending	
HIGH VISIBILITY (HV) Bahama Shutter	FL 8523 DWG# 20-166			Pending	

FBC (Non-HVHZ): Meets Florida Building Code for Non-High Velocity Hurricane Zones

FBC (HVHZ): Meets Florida Building Code for High Velocity Hurricane Zones

TDI: Meets Texas Department of Insurance Standards

IBC: Meets International Building Code

IRC: Meets International Residential Code

Miami-Dade NOA: Meets Florida Building Code for High Velocity Hurricane Zones (Dade County)

ASSA Products listed above require membership to the American Shutter Systems Association unless listed otherwise. ✓ Contact the ASSA for more information.

American Shutter Systems Association

4268 Westroads Drive, West Palm Beach, FL 33407

877-999-ASSA Fax: (561) 209-8380

www.amshutter.org • info@amshutter.org



EASTERN METAL SUPPLY

HURRICANE 08
02/10/22

www.easternmetal.com

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061



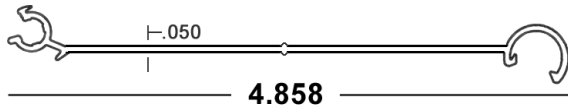
BERTHA HV® ACCORDION SHUTTER - BLADES 1 & 2

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

BERTHA HV® BLADE #1

41-COLOR-400 x 14' 6"
41-COLOR-405 x 16' 6"
41-COLOR-410 x 18'

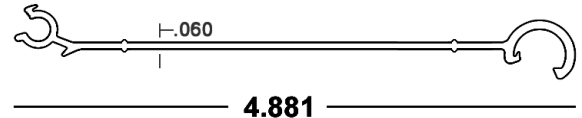
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(10 Pcs/Sub; 120 Pcs/Master)



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

BERTHA HV® BLADE #2

41-COLOR-406 x 16' 6" **CLOSEOUT!**
41-COLOR-411 x 18' (Ivory & Beige SPECIAL ORDER)
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(10 Pcs/Sub; 120 Pcs/Master)

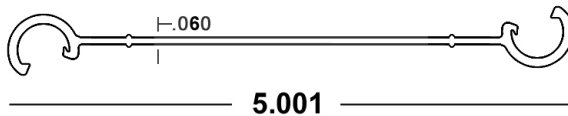


Covered under US Patents #5,458,179; #6,779,582

BERTHA HV® UNIVERSAL FLOATER x 18'

41-COLOR-450

Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(10 Pcs/Sub)



ACCORDION TRACK FELT (.320/.270)

41-HV-320 Black Felt Roll x 2000'

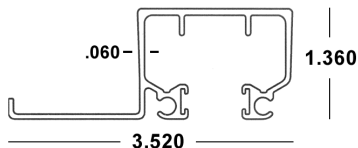


Copyright 2007-2020 Eastern Metal Supply, Inc. HV™, BERTHA HV®, BERTHA® are all trademarks of Eastern Metal Supply, Inc. ASSA® is a trademark of the American Shutter Systems Association. All rights reserved.

BERTHA HV® CEILING HEADER #1 x 20'

41-COLOR-424

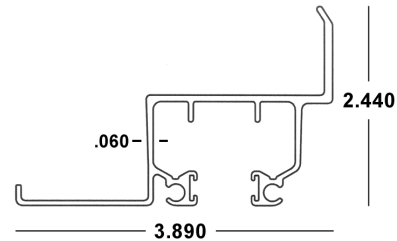
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(4 Pcs/Sub) Felt: 41-HV-320



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

41-COLOR-425

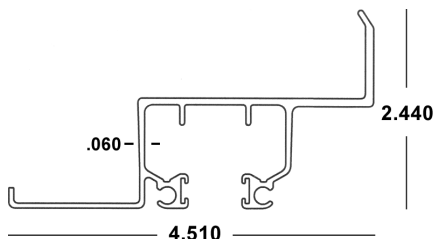
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(4 Pcs/Sub) Felt: 41-HV-320



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

41-COLOR-426

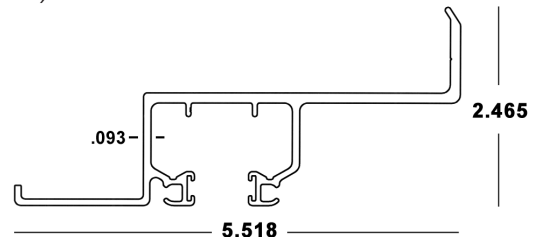
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(4 Pcs/Sub) Felt: 41-HV-320



BERTHA HV® 2" BUILD OUT HEADER #1 x 20'

41-COLOR-433

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



EASTERN METAL SUPPLY

HURRICANE 09
08/03/22

www.easternmetal.com

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061



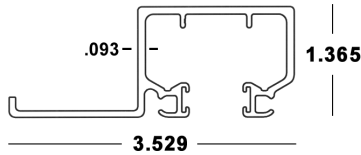
BERTHA HV® ACCORDION SHUTTER - BLADES 1 & 2

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

BERTHA HV® HD CEILING HEADER #2 x 20'

41-COLOR-430

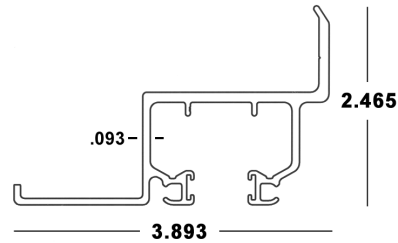
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(4 Pcs/Sub) Felt: 41-HV-320



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

41-COLOR-431

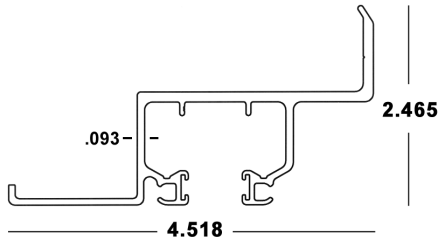
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(4 Pcs/Sub) Felt: 41-HV-320



BERTHA HV® HD 1" BUILD OUT HEADER #2 x 20'

41-COLOR-432

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



BERTHA HV® SHD™ CEILING HEADER x 20'

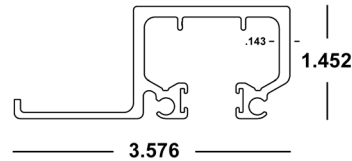
41-WH-470 White (10 Pcs/Sub)

41-IV-470 Ivory **CLOSEOUT**

41-MB-470 Bronze **CLOSEOUT**

41-BG-470 Beige **CLOSEOUT**

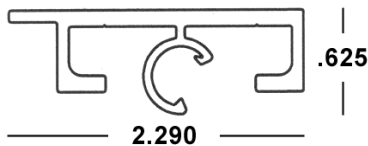
Felt: 41-HV-320



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

41-COLOR-427

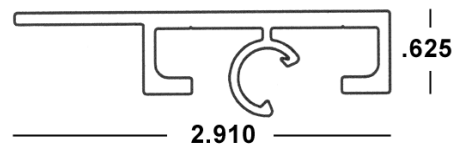
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(4 Pcs/Sub)



BERTHA HV® 1" DIRECT MOUNT STARTER x 20'

41-COLOR-428

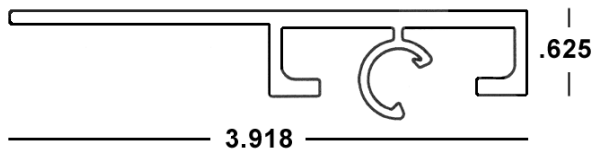
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(6 Pcs/Sub)



BERTHA HV® 2" DIRECT MOUNT STARTER x 20'

41-COLOR-434

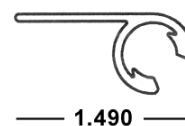
Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(6 Pcs/Sub)



BERTHA HV® 90/180 STARTER x 20'

41-COLOR-415

Available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)
(14 Pcs/Sub)



Copyright 2007-2020 Eastern Metal Supply, Inc. HV™, BERTHA HV®, BERTHA® are all trademarks of Eastern Metal Supply, Inc. ASSAB is a trademark of the American Shutter Systems Association. All rights reserved.



EASTERN METAL SUPPLY

HURRICANE 10
06/30/21

www.easternmetal.com

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061



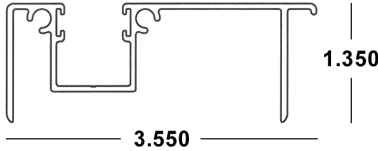
BERTHA HV® ACCORDION SHUTTER - BLADES 1 & 2

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

BERTHA HV® ADJUSTABLE TRACK w/FELT x 20'

41-COLOR-423

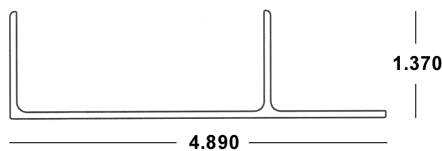
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)
(6 Pcs/Sub) Felt: 41-HV-320



BERTHA HV® SILL ADAPTOR W/LIP x 20'

90-COLOR-012

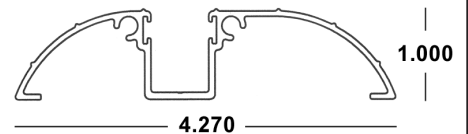
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)
(6 Pcs/Sub)



BERTHA HV® WALKOVER TRACK x 20'

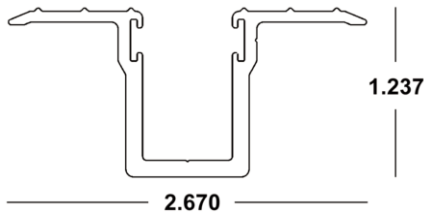
41-COLOR-440

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'

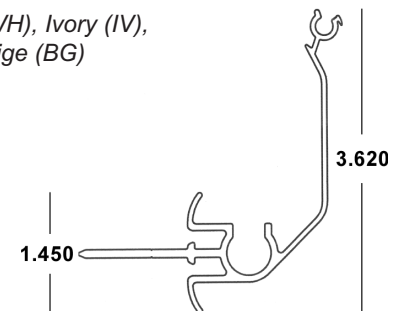
41-63-437 Silver Anodized
Felt: 41-HV-320



BERTHA HV® CORNER CENTERMATE #3 X 20'

41-COLOR-429

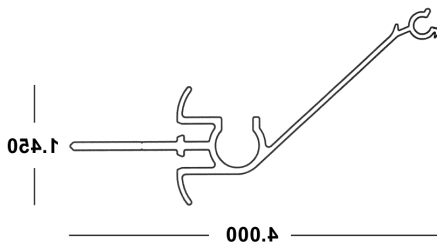
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)
(6 Pcs/Sub)



BERTHA HV® CENTERMATE #1 x 20'

41-COLOR-421 Self Mating

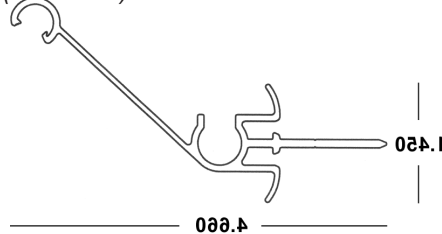
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)
(6 Pcs/Sub)



BERTHA HV® FLOATING CENTERMATE #2 x 20'

41-COLOR-422

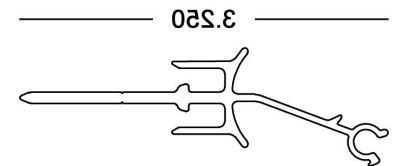
Available in White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)
(4 Pcs/Sub)



BERTHA HV® FLAT CENTERMATE x 20'

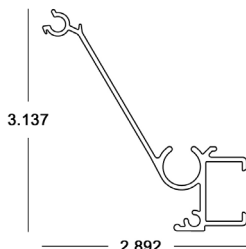
41-COLOR-420 Self Mating

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



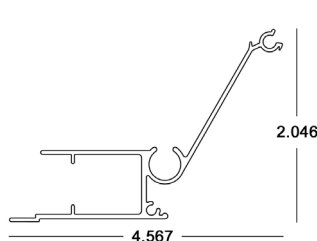
BERTHA HV® MALE T LOCK x 20'

41-WH-437 White (4 Pcs/Sub)
Ivory (IV), Bronze (MB) and Beige (BG)
available as SPECIAL ORDER



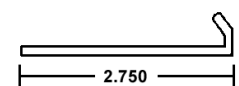
BERTHA HV® FEMALE T LOCK x 20'

41-WH-438 White (4 Pcs/Sub)
Ivory (IV), Bronze (MB) and Beige (BG)
available as SPECIAL ORDER



BERTHA HV® CENTERLOCK CLIP x 10' 2"

52-63-4159 Mill Finish



Copyright 2007-2020 Eastern Metal Supply, Inc. HV™, BERTHA HV®, BERTHA® are all trademarks of Eastern Metal Supply, Inc. ASSA® is a trademark of the American Shutter Systems Association. All rights reserved.



EASTERN METAL SUPPLY

HURRICANE 11
02/17/22

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 SHUTTER - BLADES 1 & 2

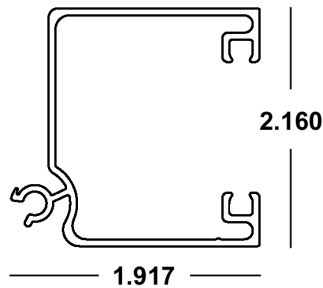
Code Approvals: FBC (non-HVHZ), FBC (HVHZ), IBC/IRC

BERTHA HV® HD™ CENTERMATE

WITHOUT RODS x 20'

41-COLOR-439

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

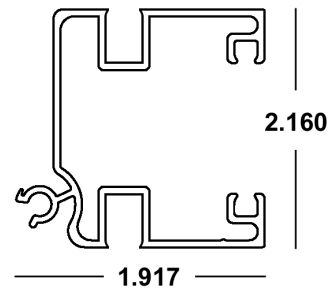


BERTHA HV® HD™ CENTERMATE

WITH RODS x 20'

41-COLOR-435

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

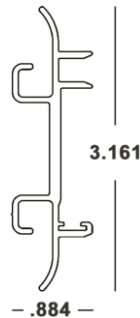


BERTHA HV® HD™

INSERT x 20'

41-COLOR-436

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

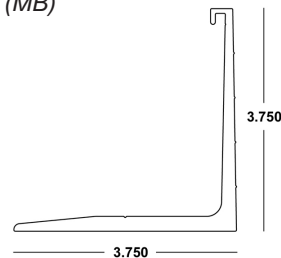


Mates with BERTHA
HV® HD™ Centermates

BERTHA HV® RAINGUARD x 17'

41-COLOR-460 (10 Pcs.)

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

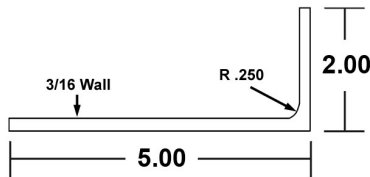


BERTHA HV® BUILD-OUT ANGLE x 20'

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)*

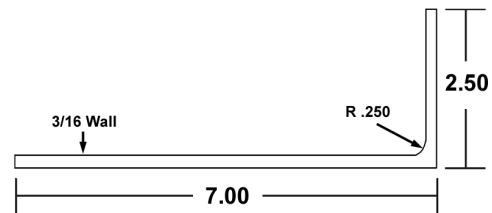


BERTHA HV® BUILD-OUT ANGLE x 20'

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

Mates with Walkover Track 41-COLOR-440

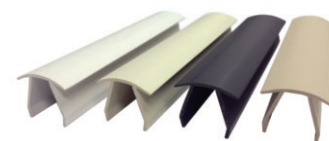
41-WH-Insert2 White x 8'

41-IV-Insert2 Ivory x 8'

41-MB-Insert2 Bronze x 8'

41-BG-Insert2 Beige x 8'

41-BK-Insert Black x 12'



Bagged Sample
41-INSERT-RING

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.

Copyright 2007-2020 Eastern Metal Supply, Inc. HV™, BERTHA HV®, BERTHA® are all trademarks of Eastern Metal Supply, Inc. ASSAB is a trademark of the American Shutter Systems Association. All rights reserved.



EASTERN METAL SUPPLY

HURRICANE 12
03/06/19

www.easternmetal.com

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061



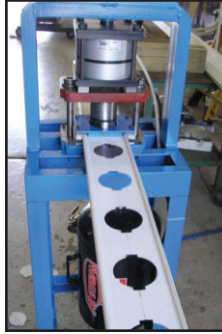
BERTHA HV® ACCORDION WINDOW

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

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

SPECIAL ORDER 41-COLOR-72P3

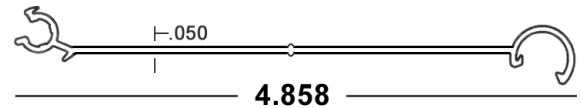
Contact your Sales Rep for availability

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

3" Diameter Viewports on Blade (3 each)

42-1/2" End of Blade to centerline of first opening

Spacing @ 5-3/4" On Center



3 HOLES - HV® BLADE # 1 X 8'

Punched Window 3 Holes

SPECIAL ORDER 41-COLOR-96P3

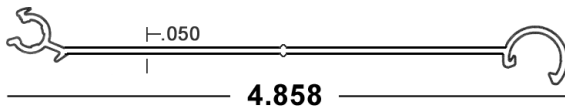
Contact your Sales Rep for availability

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

3" Diameter Viewports on Blade (3 each)

42-1/2" 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

SPECIAL ORDER 41-COLOR-96P5

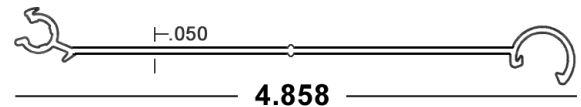
Contact your Sales Rep for availability

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

3" Diameter Viewports on Blade (3 each)

42-1/2" End of Blade to centerline of first opening

Spacing @ 5-3/4" On Center



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



Copyright 2007-2020 Eastern Metal Supply, Inc. HV™, BERTHA HV®, BERTHA® are all trademarks of Eastern Metal Supply, Inc. ASSA® is a trademark of the American Shutter Systems Association. All rights reserved.



EASTERN METAL SUPPLY

HURRICANE 13
02/17/22

www.easternmetal.com

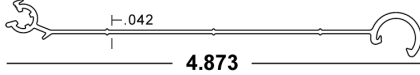
FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061



BERTHA HV® ACCORDION SHUTTER - BLADE 3

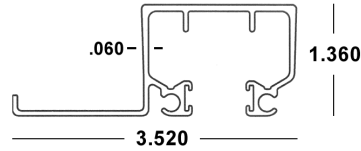
Code Approvals: FBC (non-HVHZ), FBC (HVHZ)

BERTHA HV® BLADE #3 x 18'
41-COLOR-4100 - **CLOSEOUT**

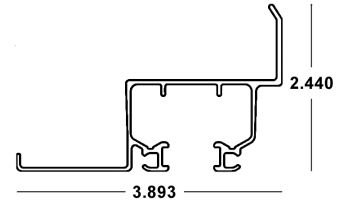


Covered under US Patents #5,458,179; #6,779,582

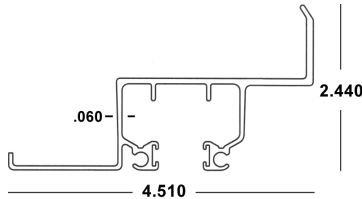
**BERTHA HV® CEILING
HEADER #1 x 20'**
41-COLOR-424 (4 Pcs.)
Felt: 41-HV-320



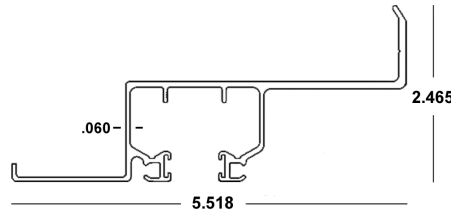
**BERTHA HV® (3) 3/8" BUILD OUT
TRACK x 20'**
41-COLOR-462 - **CLOSEOUT**
Felt: 41-HV-320



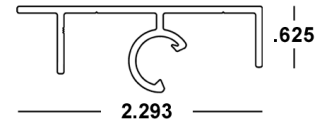
**BERTHA HV® 1" BUILD OUT
TRACK x 20'**
41-COLOR-426
Felt: 41-HV-320



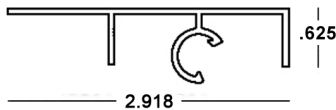
**BERTHA HV® (3) 2" BUILD OUT
TRACK x 20'**
41-COLOR-468 - **CLOSEOUT**
Felt: 41-HV-320



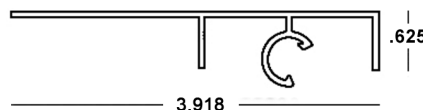
**BERTHA HV® (3) 3/8" DIRECT
MOUNT x 20'**
41-COLOR-466 - **CLOSEOUT**



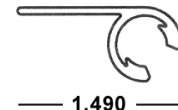
**BERTHA HV® (3) 1" DIRECT
MOUNT x 20'**
41-COLOR-465 - **CLOSEOUT**



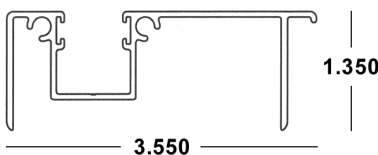
**BERTHA HV® (3) 2" DIRECT
MOUNT x 20'**
41-COLOR-469 - **CLOSEOUT**



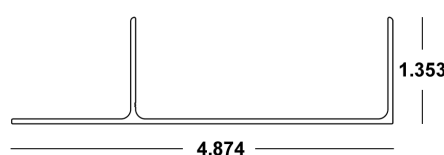
**BERTHA HV® 90/180
STARTER x 20'**
41-COLOR-415



**BERTHA HV® ADJ TRACK w/FELT
x 20'**
41-COLOR-423 (6 Pcs.)
Felt: 41-HV-320



**BERTHA HV® (3) SILL ADAPTOR
W/LIP x 20'**
41-COLOR-464 - **CLOSEOUT**



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

Copyright 2007-2020 Eastern Metal Supply, Inc. HV™, BERTHA HV®, BERTHA® are all trademarks of Eastern Metal Supply, Inc. ASSA® is a trademark of the American Shutter Systems Association. All rights reserved.

Copyright 2007-2020 Eastern Metal Supply, Inc. HV™, BERTHA HV®, BERTHA® are all trademarks of Eastern Metal Supply, Inc. ASSA® is a trademark of the American Shutter Systems Association. All rights reserved.



EASTERN METAL SUPPLY

HURRICANE 14
07/10/20

www.easternmetal.com

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061

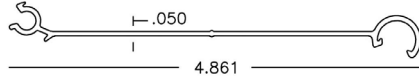


NOW AVAILABLE!**HV® ESSENTIAL ACCORDION SHUTTER**

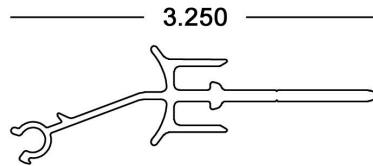
Code Approvals: FBC (non-HVHZ), FBC (HVHZ)

NOW AVAILABLE!**BERTHA HV™ Blade #1**

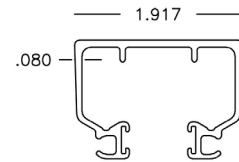
41-COLOR-400 x 14' 6"
 41-COLOR-405 x 16' 6"
 41-COLOR-410 x 18'
 (10 Pcs/Sub; 120 Pcs/Master)

**HV® Flat Center Mate x 20'**

41-COLOR-420
 (6 Pcs/Sub)

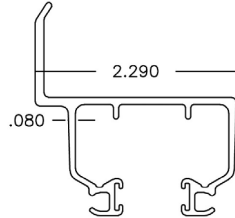
**HV® Essential Ceiling Header x 20'**

41-COLOR-478
 Felt: 41-HV-320



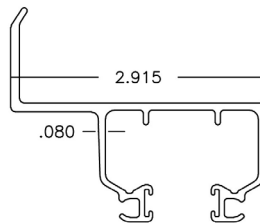
**HV® Essential
 3/8" Build Out x 20'**
 41-COLOR-480

Felt: 41-HV-320



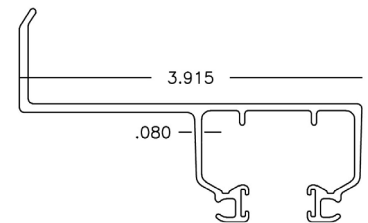
**HV® Essential
 1" Build Out x 20'**
 41-COLOR-482

Felt: 41-HV-320

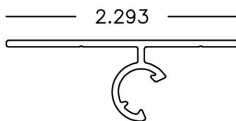


**HV® Essential
 2" Build Out x 20'**
 41-COLOR-484

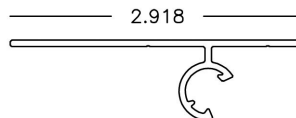
Felt: 41-HV-320



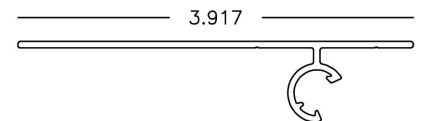
**HV® Essential
 3/8" Direct Mount x 20'**
 41-COLOR-472



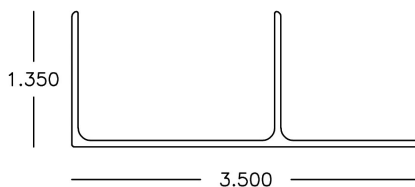
**HV® Essential
 1" Direct Mount x 20'**
 41-COLOR-474



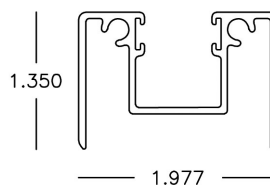
**HV® Essential
 2" Direct Mount x 20'**
 41-COLOR-476



**HV® Essential .080 Adjustable
 Adapter With Lip x 20'**
 41-COLOR-486



**HV® Essential Adjustable
 Track With Felt x 20'**
 41-COLOR-488

**HV® Holdback Clip**

For Flat Centermates

41-HV-HBCLIPWH

White (shown)

41-HV-HBCLIPBL

Black



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

Copyright 2007-2023 Eastern Metal Supply, Inc. HV™, BERTHA HV®, BERTHA® are all trademarks of Eastern Metal Supply, Inc. ASSA® is a trademark of the American Shutter Systems Association. All rights reserved.

**EASTERN METAL SUPPLY**

HURRICANE 15
 01/26/23

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 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® 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

SPECIAL ORDER

17" x 30"

HT-SAMPLE

Top Track:
1" Build-Out Header

Bottom Track:
Walkover

Centermate:
"T Lock" Centermate



BERTHA HV® ACCORDION SHUTTER RADIUS TRACK

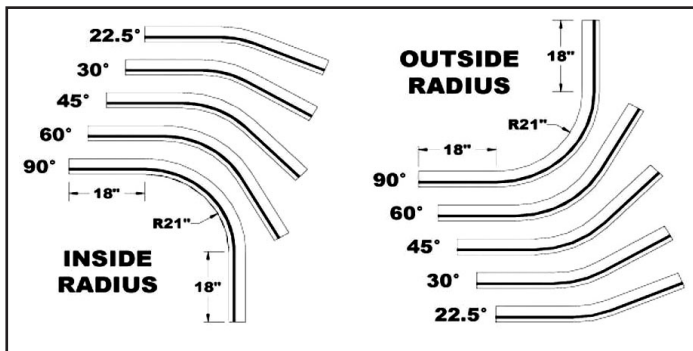
HV® Accordion Shutter Radius Track

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)

Track	Radius		HD Tracks Ceiling/Ceiling	Ceiling/Sill/Adaptor
HD	Inside	22.5°	52-COLOR-122	52-COLOR-522
HD	Inside	30°	52-COLOR-130	52-COLOR-530
HD	Inside	45°	52-COLOR-145	52-COLOR-545
HD	Inside	60°	52-COLOR-160	52-COLOR-560
HD	Inside	90°	52-COLOR-190	52-COLOR-590
HD	Outside	22.5°	52-COLOR-222	52-COLOR-622
HD	Outside	30°	52-COLOR-230	52-COLOR-630
HD	Outside	45°	52-COLOR-245	52-COLOR-645
HD	Outside	60°	52-COLOR-260	52-COLOR-660
HD	Outside	90°	52-COLOR-290	52-COLOR-690
SHD	Inside	22.5°	52-COLOR-322	52-COLOR-722
SHD	Inside	30°	52-COLOR-330	52-COLOR-730
SHD	Inside	45°	52-COLOR-345	52-COLOR-760
SHD	Inside	60°	52-COLOR-360	52-COLOR-772
SHD	Inside	90°	52-COLOR-390	52-COLOR-730
SHD	Outside	22.5°	52-COLOR-422	52-COLOR-822
SHD	Outside	30°	52-COLOR-430	52-COLOR-830
SHD	Outside	45°	52-COLOR-445	52-COLOR-845
SHD	Outside	60°	52-COLOR-460	52-COLOR-860
SHD	Outside	90°	52-COLOR-490	52-COLOR-890

Copyright 2007-2020 Eastern Metal Supply, Inc. HV™, BERTHA HV®, BERTHA® are all trademarks of Eastern Metal Supply, Inc. ASSA® is a trademark of the American Shutter Systems Association. All rights reserved.



EASTERN METAL SUPPLY

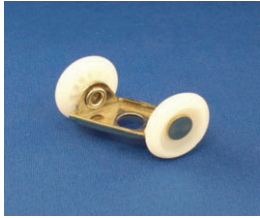
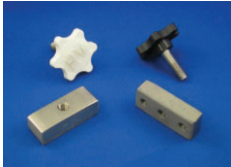
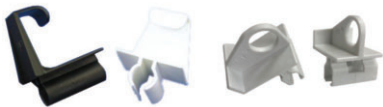
HURRICANE 16
03/06/22

www.easternmetal.com

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061



*****To Order Accordion Components Contact ALL POINTS Directly*****
1-800-226-5555 • info@allpointsscrew.com

HV Accordion Screws 14D275TUW4/HV 14 x 2-3/4" Long 14D175TUW4/HV 14 x 1-3/4" Long 10N275TUW4/HV 10 x 2-3/4" Long 	HV Bushings (boxes of 100) HVLONG1 Long White HVLONG2 Long Black HVSHORT1 Short White HVSHORT2 Short Black HVHAT1 Hat White Only 	HV Wheel Carriage WC10 
HV Push Button Lock LOHV/WH White LOHV/BZ Bronze LOHV/BE Beige LOHV/IV Ivory 	HV Egress Lock LOHVT/WH White LOHVT/BZ Bronze LOHVT/BE Beige LOHVT/IV Ivory LOHVT (cylinder only) 	HV Saltwater Lock & HV Thumbscrews HVPLATE - Stainless Steel Plate 31C100MTPB/HV Black Thumbscrew 31C100MTPW/HV White Thumbscrew 
HD Lock LOHRHB Hook Bolt Mortise Lock –SS LOBRCL Key cylinder – Brass/SS LOBRTT Thumb turn cylinder – brass/SS 	HV T-Handle Lock with J-Clip LO/WH White LO/BZ Bronze LO/IV Ivory LO/BE Beige J-Clip EA-J-CLIP 	HV Locking Pins Please specify 1/4-20 Stainless or 3/8-16 Nylon thumbscrew. 
HV Holdback Clip HVCLIP/BZ Black HVCLIP/WH White HVCLIPFC/WH White (for Flat Centermates) HVCLIPFC/BK Black (for Flat Centermates) 	HV 3/8 X 3/4 Acetel® Thumb Screw 37C75MTSN White 37C75MTSN/B Black please specify white or black 	

40MM BERTHA™ END RETENTION ROLL SHUTTER SYSTEM (ER)

Code Approvals: FBC Non-HVHZ, FBC HVHZ, IBC/IRC

40mm Double Wall Slat with Screw Boss x 22' VENTED

40-COLOR-471
Sub Bundle Size: 10



COLOR = available in
White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)

40mm Double Wall Slat with Screw Boss x 22' NON-VENTED

40-COLOR-472
Sub Bundle Size: 10



40mm Slat Locks

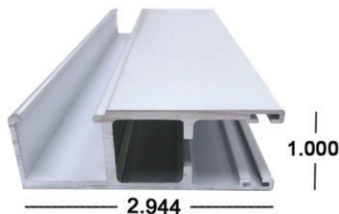
90000C LEFT (bags of 100)
90001C RIGHT (bags of 100)
Black



40mm Small Leg Track x 24'

40-COLOR-476

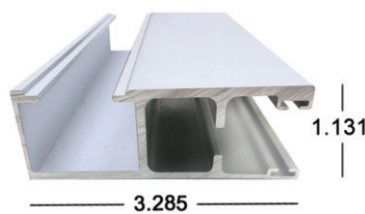
Mates with 40-COLOR-486
Use with 41-HV-200 Felt
Also used with 55mm & Single Wall systems
Sub Bundle Size: 4



40mm Large Leg Track x 24'

40-COLOR-481

Mates with 40-COLOR-486
Use with 41-HV-200 Felt
Also used with 55mm & Single Wall systems
Sub Bundle Size: 5



Cover Cap x 12'

40-COLOR-486

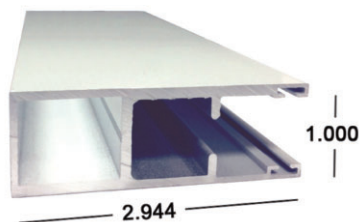
Mates 40-COLOR-476, 40-COLOR-481
Sub Bundle Size: 30



40mm Small Leg Closed Face Track x 22' 6"

40-COLOR-478

Use with 41-HV-200 Felt
Also used with 55mm & Single Wall systems
Sub Bundle Size: 4



40mm #10 x 2 ER Screw

90003C (bags of 100)



40mm Screw Sleeve

90002C (bags of 100)

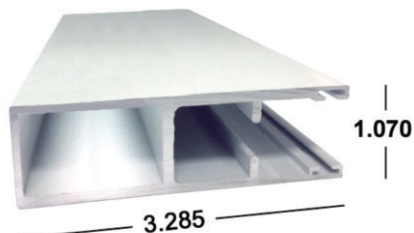
Black



40mm Large Leg Closed Face Track x 22' 6"

40-COLOR-483

Use with 41-HV-200 Felt
Also used with 55mm & Single Wall Systems



Roll Shutter Track Felt (.200/.270)

41-HV-200 Black Felt Roll x 2500'
2 per box

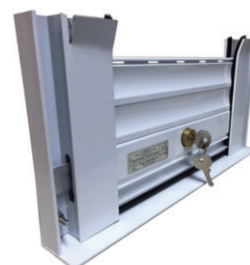


40mm Hand Held Sample

40ERDW-SAMPLE

Double Wall

SPECIAL ORDER 40ERSW-SAMPLE Single Wall
17" x 8" with Base Slat & Lock



EASTERN METAL SUPPLY

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061

HURRICANE 18
01/31/22

www.easternmetal.com



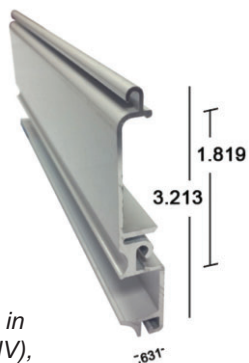
40MM BERTHA™ END RETENTION ROLL SHUTTER SYSTEM (ER)

Code Approvals: FBC Non-HVHZ, FBC HVHZ, IBC/IRC

40mm Base Slat x 20'

40-COLOR-100

Mates with
40-COLOR-105
Sub Bundle
Size: 8

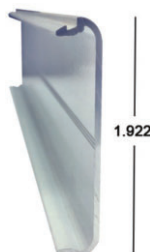


COLOR = available in
White (WH), Ivory (IV),
Bronze (MB) and Beige (BG)

40mm Base Cover x 20'

40-COLOR-105

Mates with
40-COLOR-100
Sub Bundle
Size: 20



Base Slat Cylinder Lock

2003432-1

2003432-2

2003432-3

2003432-4



Bottom Slat Weather Seal

41-68-101 400' Roll - 21" Reel

Bulb Gasket Seal Black

Mates w/ 40mm, 55mm, 58mm, 60mm Slats



Profile

40mm Base Slat Locking Rod

10-63-265

3/16 x 1 x 20'

Mill Finish



40mm Base Slat Lock Guide

40-BK-800

Black Plastic



Home Automation

App Control • Remote Access
On Screen Setup Wizard
Time Events • Scenes



Somfy myLink™

1811264

Requires RTS
Motor; Free App
Download

Additional 40mm Extrusions & Acc. on Previous page (Hurricane 19)

Copyright 2007-2019 Eastern Metal Supply, Inc. HV™, BERTHA HV®, BERTHA®
are all trademarks of Eastern Metal Supply, Inc. ASSA® is a trademark of the
American Shutter Systems Association. All rights reserved.



Patio Shade & Shutter



Options Include:
Motorization • Hurricane Protection
Operate with Your Smartphone



- Protect your Patio Today
- Block the Sun, Wind & Rain
- Spring Loaded System - Finger Tip Control
- Vented Slats Let the Light In

Patio Shade & Shutter

40mm Single Wall Sample with Assist Spring

40ERSW-SPRING

24" x 24"

Manually operated
by hand



EASTERN METAL SUPPLY

HURRICANE 19
02/13/20

www.easternmetal.com

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061



55MM BERTHA™ END RETENTION SYSTEM (ER)

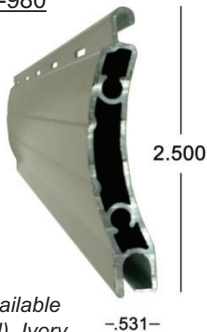
Code Approvals: FBC Non-HVHZ, FBC HVHZ, TDI

55 MM VENTED Slat x 24'

40-COLOR-980

Sub Bundle

Size: 10



COLOR = available
in White (WH), Ivory
(IV), Bronze (MB)
and Beige (BG)

55mm ER NON VENTED View Port Slat x 24' - NEW

40-COLOR-980VPNV



55mm ER View Port Insert

40-VP-990 - NEW

Clear Polycarbonate

55mm ER Slat Lock Black

40-63-786

One Piece - NEW



55 MM End Retention Assembly Screws

Phillips Head Sheet Metal Screws

41108-100 (bags of 100)

All Points Product Code:

10N250TXFS/HV



55mm Small Leg Track x 24'

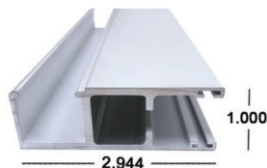
40-COLOR-476

Mates with 40-COLOR-486

Use with 41-HV-200 Felt

Also used with 40mm & Single Wall
systems

Sub Bundle Size: 4



55mm Large Leg Track x 24'

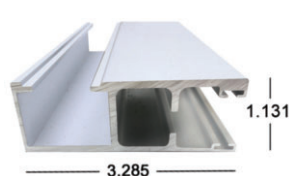
40-COLOR-481

Mates with 40-COLOR-486

Use with 41-HV-200 Felt

Also used with 55mm & Single Wall
systems

Sub Bundle Size: 5



Cover Cap x 12'

40-COLOR-486

Mates 40-COLOR-476,

40-COLOR-481

Sub Bundle Size: 30



Roll Shutter Track Felt

41-HV-200

(.200/.270)

Black Felt Roll x 2500'

2 per box



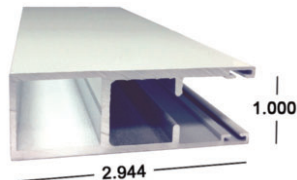
55mm Small Leg Closed Face Track x 22' 6"

40-COLOR-478

Use with 41-HV-200 Felt

Also used with 40mm & Single Wall
systems

Sub Bundle Size: 4

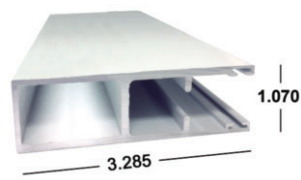


55mm Large Leg Closed Face Track x 22' 6"

40-COLOR-483

Use with 41-HV-200 Felt

Also used with 40mm & Single
Wall Systems



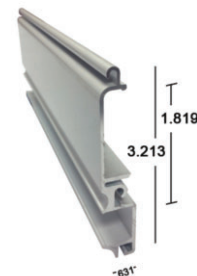
40mm Base Slat x 20'

40-COLOR-100

Mates with 40-COLOR-105

Sub Bundle

Size: 8



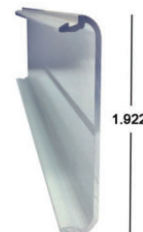
40mm Base Cover x 20'

40-COLOR-105

Mates with 40-COLOR-100

Sub Bundle

Size: 20



Base Slat Cylinder Lock

2003432-1

2003432-2

2003432-3

2003432-4



Base Slat Locking Rod

10-63-265

Mill Finish

3/16 x 1 x 20'

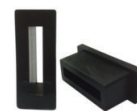


Base Slat Lock Guide

40-BK-800

Plastic

Black



55mm ER Hand Held Sample

55ER-SAMPLE



EASTERN METAL SUPPLY

HURRICANE 19

06/28/23

www.easternmetal.com

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061



58MM BERTHA™ END RETENTION SYSTEM (ER)

Code Approvals: FBC (non-HVHZ); Open Back Slat: FBC (non-HVHZ), TDI

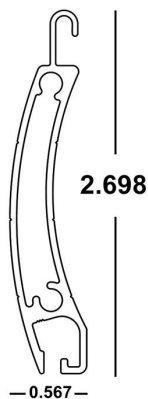
58mm BERTHA™ ER VENTED SLAT

40-COLOR-805PC **CLOSEOUT** x 24'
40-COLOR-810PC **CLOSEOUT** x 21'

NON VENTED SLAT x 24'

40-WH-805PCNV **CLOSEOUT**
White

COLOR = available in White (WH), Ivory (IV), Bronze (MB) and Beige (BG)



58mm BERTHA™ ER VIEW PORT SLAT x 24'

40-Color-805PCVPCNV **CLOSEOUT**
1 x 2 Window



CLEAR POLYCARBONATE VIEW PORT INSERT X 8'

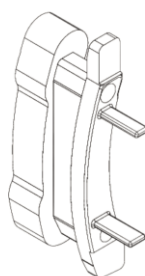
40-VP-805 **CLOSEOUT**
1-7/16 x .090

BERTHA™ ER SLAT LOCK GLIDE

40-63-799 **CLOSEOUT**
boxed - 500 sets left and right

BERTHA™ SLAT LOCK

(Non-ER)
40-63-798 **CLOSEOUT**
boxed - 1000 pcs

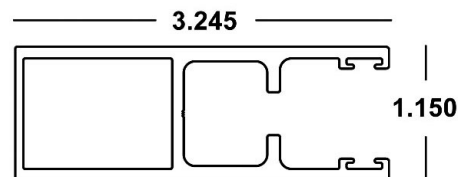


Lock Glide

Slat Lock

3" BERTHA™ ER TRACK x 24'

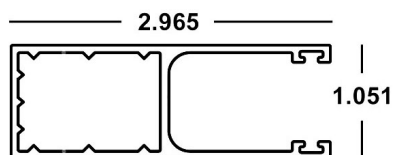
40-COLOR-824PC **CLOSEOUT**
Use with 41-HV-200 Felt



BERTHA™ DADE TRACK x 24' 6" (Non-ER)

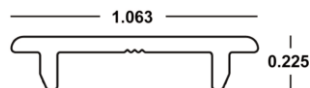
41-COLOR-300 **CLOSEOUT**

Available in White (WH), Ivory (IV), Bronze (MB)
Use with 41-HV-200 Felt



Cover Cap x 12'

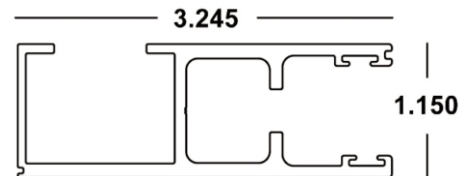
40-COLOR-486
Mates with 40-COLOR-800
Sub Bundle Size: 30



BERTHA™ ER OPEN TRACK x 22' 6" (Open End)

40-COLOR-800 **CLOSEOUT**

Mates with 40-COLOR-486
Use with 41-HV-200 Felt



Copyright 2007-2020 Eastern Metal Supply, Inc. HV™, BERTHA HV®, BERTHA® are all trademarks of Eastern Metal Supply, Inc. ASSA® is a trademark of the American Shutter Systems Association. All rights reserved.



EASTERN METAL SUPPLY

HURRICANE 21
06/08/21

www.easternmetal.com

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061





EASY LIFT SINGLE WALL ROLL SHUTTER (63mm)

Code Approvals: FBC (HVHZ), FBC (Non-HVHZ) - FL31658



Single Wall Slat* (63mm)

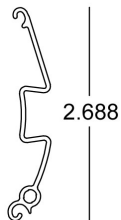
40-COLOR-430 x 24'
Sub Bundle Size: 10



*PATENT PENDING

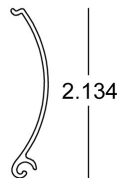
Finger Pull Slat

40-COLOR-431 x 24'
Use with spring loaded shutters only



Starter Slat x 22' 6"

40-63-428
6063-T6 Mill Finish
Mates with 40-63-429,
40-63-431; Also used
with 40/55mm systems



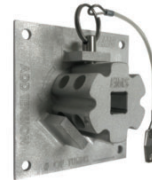
Torsion Spring Adjuster Handle SPA-TOOL

Used with
TSA-1



Torsion Spring Adjuster*

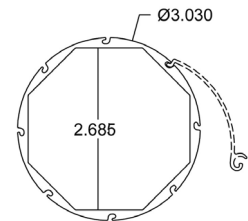
(Kitted with 3 parts)
TSA1
Used with SPA-TOOL
Also used with 40mm system



*PATENT PENDING

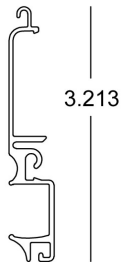
70mm Direct Connect Tube x 24'

40-63-429
6063-T6 Mill Finish
Mates with 40-63-428



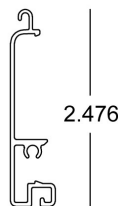
Base Slat x 20'

40-COLOR-100
Mates with 40-COLOR-105
Also used with 40/55/58mm
systems



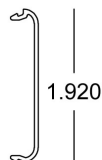
Short Base Slat x 24'

40-COLOR-432
Mates with 40-COLOR-105,
40-COLOR-427
Also used with 40/55/58mm
systems



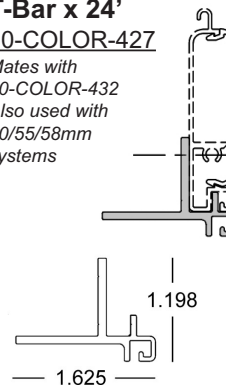
Base Cover x 20'

40-COLOR-105
Mates with 40-COLOR-100,
40-COLOR-432
Also used with 40/55/58mm
systems



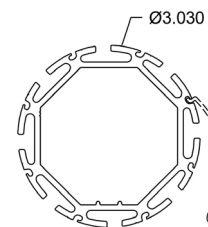
Short Base Slat T-Bar x 24'

40-COLOR-427
Mates with
40-COLOR-432
Also used with
40/55/58mm
systems



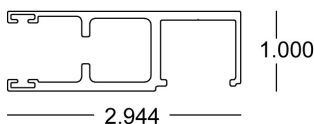
60mm Direct Connect Tube x 24'

40-63-431
6063-T6 Mill Finish
Mates with 40-63-428



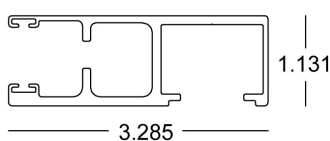
Single Wall ER Small Leg Track x 24'

40-COLOR-476
Mates with 40-COLOR-486
Use with 41-HV-200 Felt
Also used with 40/55mm systems



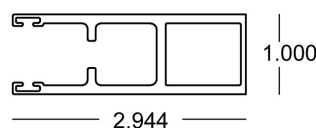
Single Wall ER Large Leg Track x 24'

40-COLOR-481
Mates with 40-COLOR-486
Use with 41-HV-200 Felt
Also used with 40/55mm systems



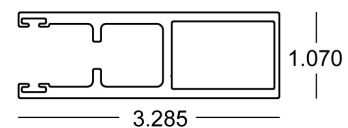
Single Wall ER Small Leg Closed Face Track x 22' 6"

40-COLOR-478
Use with 41-HV-200 Felt
Also used with 40/55mm systems



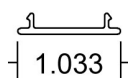
Single Wall ER Large Leg Closed Face Track x 22' 6"

40-COLOR-483
Use with 41-HV-200 Felt
Also used with 40/55mm systems



Cover Cap x 12'

40-COLOR-486
Mates with 40-COLOR-476,
40-COLOR-481



*COLOR available in:
White (WH), Ivory (IV), Bronze
(MB) and Beige (BG)

Roll Shutter Track Felt (.200/.270)

41-HV-200
Black Felt Roll x 2000'



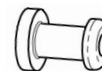
ER Screw

90003C
#10 - 8 x 2"
410 SS Dacrosshield Coated
(Bags of 100)



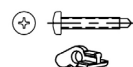
Single Wall Slat Lock Guide

40-63-795 (Bags of 200)
Nylon with UV Inhibitor



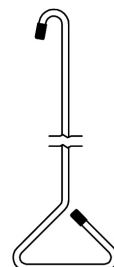
Screw & Slat Lock

40-63-794 (Bags of 100)
8 x 1 410 SS SDS
Non End Retention Screw
Plastic Non End Retention Slat
Lock



63mm Bent Reach Arm x 5'

63MM-REACHARM
6063 T6 MF with Caps



EASTERN METAL SUPPLY

HURRICANE 22
06/21/23

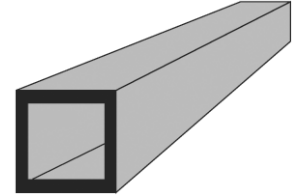
www.easternmetal.com

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061



Bertha™ Painted Aluminum Square Tube

<u>Stock Code</u>	<u>Size in Inches</u> <u>(E x M x S color)</u>	<u>Approx.</u> <u>Wt/Lin ft.</u>
<u>19-WH-225</u>	3 x .125 x 20' White	1.726
<u>19-WH-220</u>	3 x .125 x 24' White	1.726
<u>19-MB-235</u>	3 x .125 x 24' Bronze	1.726
<u>19-IV-235</u>	3 x .125 x 24' Ivory	1.726
<u>19-BG-235</u>	3 x .125 x 24' Beige	1.726
<u>19-BK-235</u>	3 x .125 x 24' Black	1.726
 <u>19-COLOR-240</u>	 3 x .250 x 24' **	 3.300
 <u>19-WH-245</u>	 4 x .125 x 20' White	 2.325
<u>19-WH-400</u>	4 x .125 x 24' White	2.325
<u>19-MB-246</u>	4 x .125 x 24' Bronze	2.325
<u>19-IV-400</u>	4 x .125 x 24' Ivory	2.325
<u>19-BG-400</u>	4 x .125 x 24' Beige	2.325
<u>19-BK-400</u>	4 x .125 x 24' Black	2.325
<u>200-WH-028</u>	4 x .125 x 30' White	2.325
<u>200-MB-028</u>	4 x .125 x 30' Bronze	2.325
 <u>19-WH-2500</u>	 4 x .250 x 20' White	 4.500
<u>19-MB-2500</u>	4 x .250 x 24' Bronze	4.500
<u>19-IV-2500</u>	4 x .250 x 24' Ivory	4.500
<u>19-BG-2500</u>	4 x .250 x 24' Beige	4.500
<u>19-WH-2501</u>	4 x .250 x 24' 6" White	4.500



Bertha™ Painted Aluminum Rectangular Tube

<u>Stock Code</u>	<u>Size in Inches</u> <u>(E x M x S color)</u>	<u>Approx.</u> <u>Wt/Lin ft.</u>
<u>20-COLOR-803</u>	4 x 6 x .125 x 24' **	2.925
<u>20-COLOR-805</u>	4 x 6 x .250 x 20' **	5.700

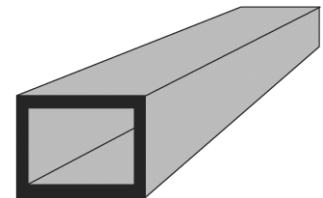
****COLOR - Available in:**

White (WH), Bronze (MB), Ivory (IV), Beige (BG)

Touch Up Spray Paint

16 ounce cans

<u>Stock Code</u>	<u>Color</u>
<u>35-00-100</u>	White
<u>35-00-100G</u>	White Gloss
<u>35-00-105</u>	Bronze
<u>35-00-105G</u>	Bronze Gloss
<u>35-00-110</u>	Ivory Gloss
<u>35-00-115 (TX)</u>	Beige
<u>35-00-115G</u>	Beige Gloss
<u>35-00-120</u>	Black
<u>35-00-120G</u>	Black Gloss



Copyright 2007-2020 Eastern Metal Supply, Inc. HV™, BERTHA HV®, BERTHA® are all trademarks of Eastern Metal Supply, Inc. ASSA® is a trademark of the American Shutter Systems Association. All rights reserved.

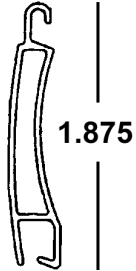
40MM NON END RETENTION ROLL SHUTTER SYSTEM - Code Approvals

40mm: FBC (non-HVHZ), FBC (HVHZ), IBC/IRC

40 MM SLAT x 20' (vented)

40-WH-275T

40-IV-275T - **CLOSEOUT**
40-MB-275T - **CLOSEOUT**
40-BG-275T - **CLOSEOUT**
10 Pcs



40mm Non-ER SLAT

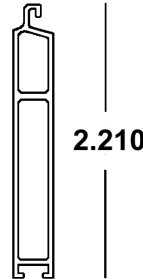
LOCK

40-63-796 Left & Right
(2 Bags of 100 each)
Black



BOTTOM SLAT x 22'

41-WH-001 White
41-MB-001 (TX) White
10 Pcs

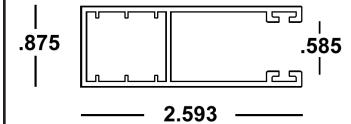


40 MM TRACK x 20'

41-WH-002

6 Pcs

41-IV-002 - **CLOSEOUT**
41-MB-002 - **CLOSEOUT**
41-BG-002 - **CLOSEOUT**



MISCELLANEOUS ROLL SHUTTER EXTRUSIONS

BERTHA™ GLADIATOR SCREEN

3-1/4" Side Rail x 24' 5"

41-WH-705 White
41-IV-705 Ivory
41-MB-705 Bronze
41-BG-705 Beige



BERTHA™ GLADIATOR SCREEN

Rail Cap x 24'

41-WH-703 White
41-IV-703 Ivory
41-MB-703 Bronze
41-BG-703 Beige

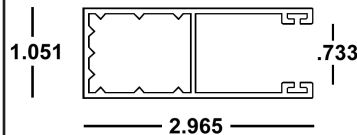


DADE 55 MM TRACK x 24'6"

41-COLOR-300

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

6 Pcs
Felt: 41-HV-160

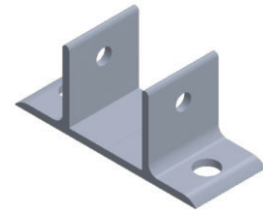
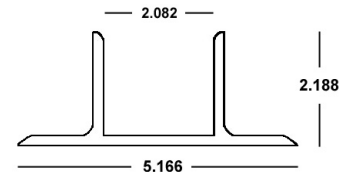


2" STORM BAR CLIP

6063-T6 Mill Finish

x 2" **TB-CLIP** (with holes)
x 12' **40-63-262**

Receives 2" Square Tube;
Also used as support brace
bracket



2" Piece with Holes

Copyright 2007-2020 Eastern Metal Supply, Inc. HV™, BERTHA HV®, BERTHA® are all trademarks of Eastern Metal Supply, Inc. ASSA® is a trademark of the American Shutter Systems Association. All rights reserved.



EASTERN METAL SUPPLY

HURRICANE 24
06/14/21

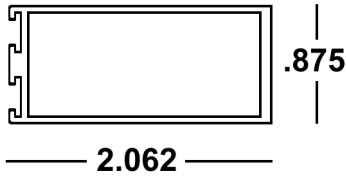
www.easternmetal.com

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061

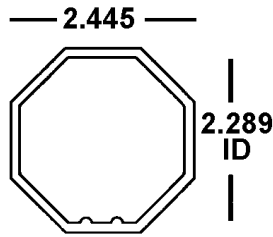


ROLL SHUTTER SYSTEMS - Miscellaneous Reel Tubes

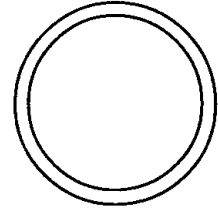
Storm Bars x 22' 6"
(Dove Tail Tubes)
40-WH-902 White (8 Pcs.)



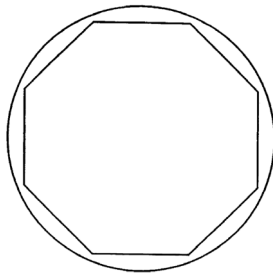
58 mm Octagonal Tube x 24'
40-63-250 Mill Finish



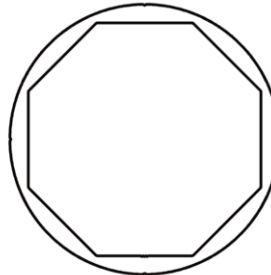
60mm Reel Tube x 17'
51-63-338 2.365 ID
Mill Finish



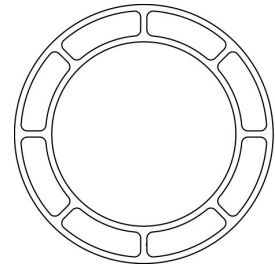
70mm Heavy Reel Tube x 24' 1"
52-63-7521 Wall: 0.168
Mates with BERTHA Reel Sleeve
41-63-352



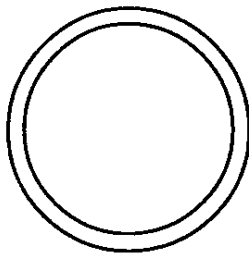
70mm HD Reel Tube x 21' 1"
41-63-349 Wall: 0.215
Mates with BERTHA Reel Sleeve
41-63-352



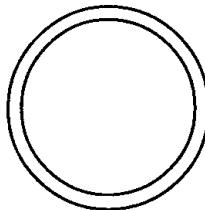
94mm Reel Tube
3.701 ID
41-63-350 x 24'
41-63-11905 x 31'



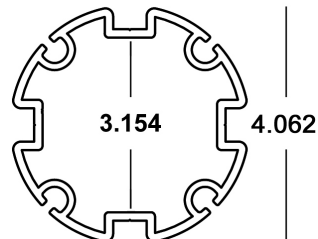
100mm Reel Tube x 20'
18-61-255 3.548 ID (3-1/2")
SCH 40



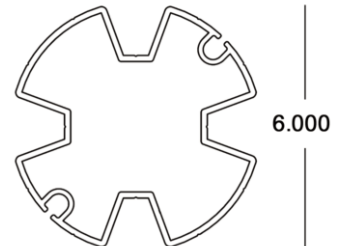
In-Line Galvanized Steel Reel Tube
4" (95.5MM ID)
4" O.D.; 120 Wall
41-GLV-240 x 20'
41-GLV-288 x 24'



BERTHA™ Reel Sleeve
41-63-352 Mill Finish x 20'
Mates with 70mm Reel Tubes - 52-63-7521 and 41-63-349

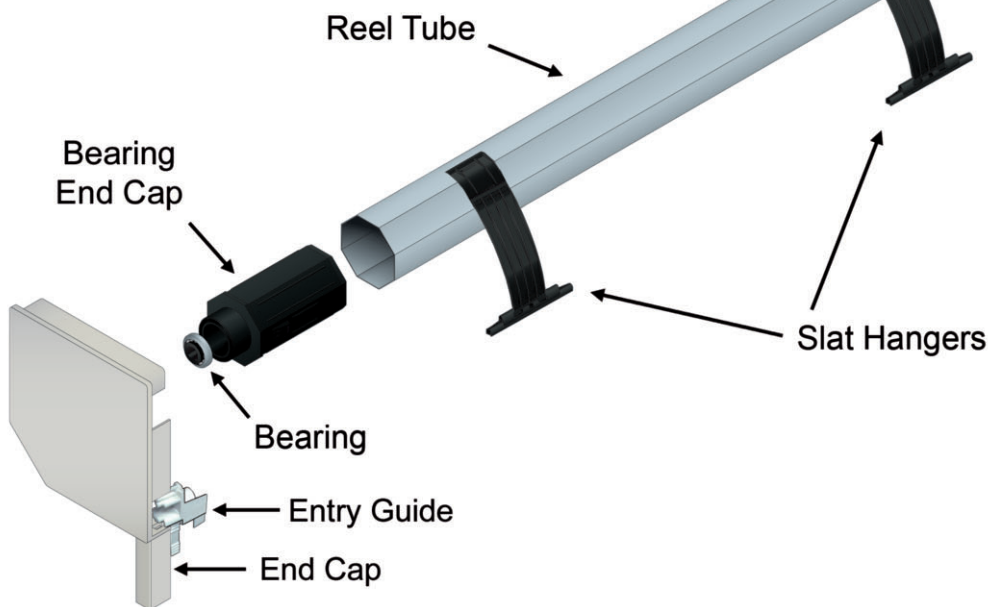
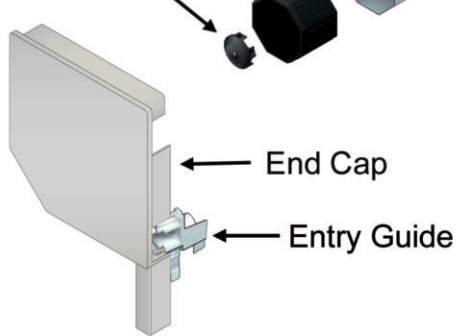
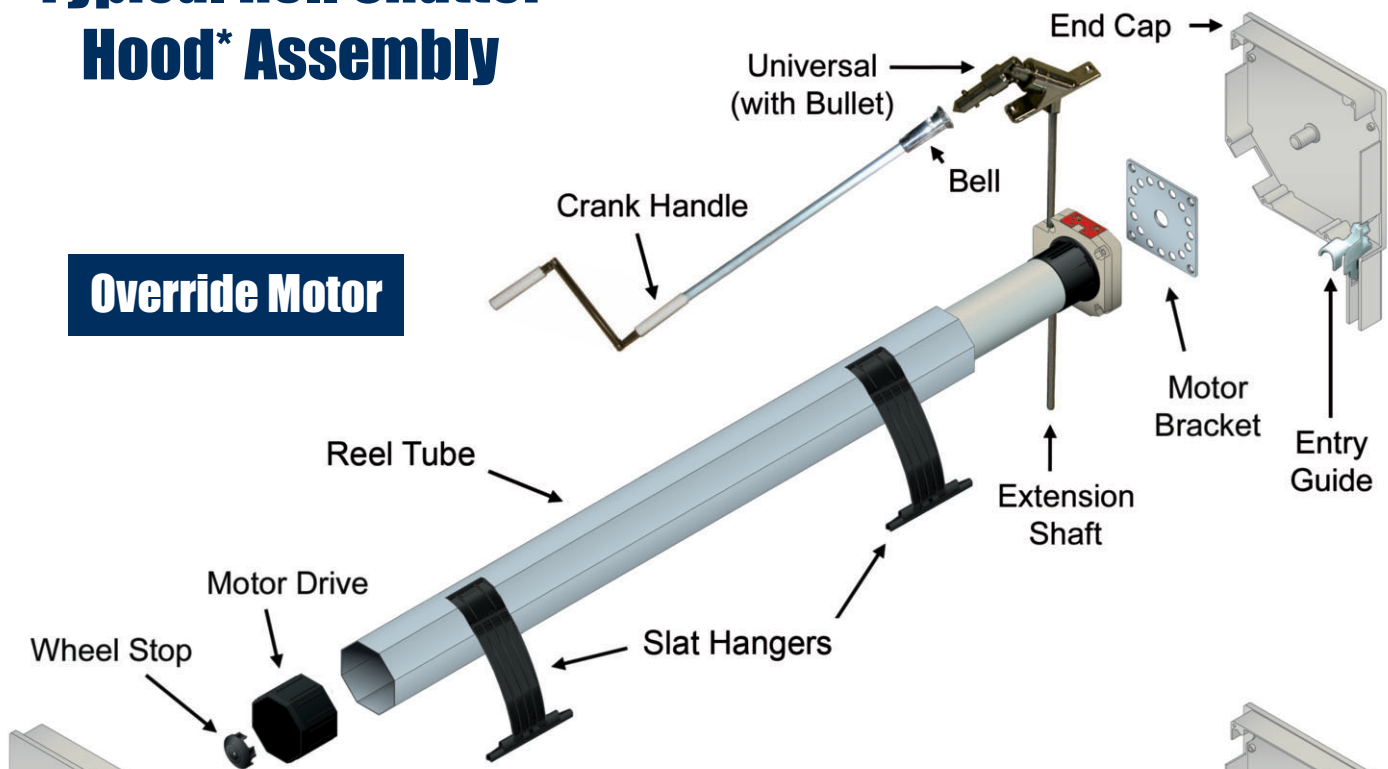


BERTHA™ Reel Tube Sleeve
41-63-353 Mill Finish x 20'
41-63-354 Mill Finish x 27'



Typical Roll Shutter Hood* Assembly

Override Motor



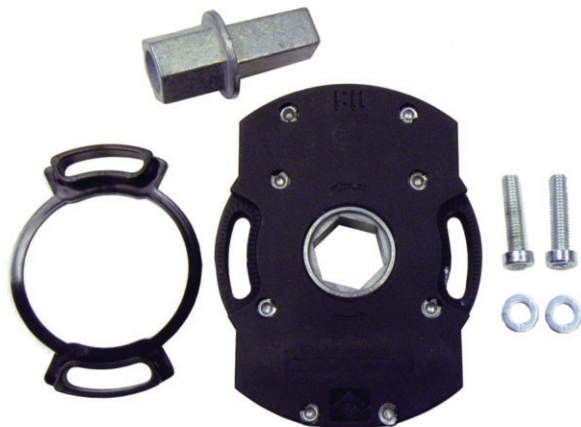
Standard Motor

*** Various Hood sizes, styles & colors listed on Hurricane p34**

ROLL SHUTTER COMPONENTS: Gears

Plastic Gear

6A23811PF7 11:1 Ratio 7MM Hex 66 lbs. max
6A23808PF7 8:1 Ratio 7MM Hex 44 lbs. max



Metal/ZAMAC Gear

6A23811ZF7 11:1 Ratio 7mm Hex 66 lbs.max
6A23808ZF7 8:1 Ratio 7MM Hex 44 lbs.max



1424 Simu Gear

2002147 11:1 7mm
 Hex/16mm square
 Use with Bracket 2003639
 56 lbs. max



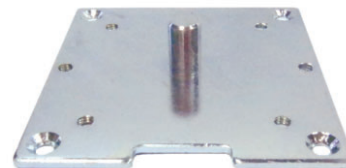
1424 Simu Gear Connector

2002392 Mates with Gears



Simu 1424 Gear Plate

2003639 includes mounting screws
 Mates with **2002146**



ROLL SHUTTER COMPONENTS: Assist Springs

All Assist Springs Utilize Plate 6A39438

Assist Spring 60mm

33 lb (15KG) **7014-004**
 44 lb (20KG) **2002369**
 53 lb (24KG) **7014-005**
 75 lb (34 KG) **6C0445160G2**
 137 lb (62KG) **7014-023**

Assist Spring 70mm

66 lb (30 kg) **2002372**
 99 lb (45 kg) **7014-027**
 132 lb (60 KG) **6C0450140G4**
 165 lb (75 kg) **7014-010**
 220 lb (100 KG) **2005355**



ROLL SHUTTER COMPONENTS: Universals & Handcranks

90° Universal 2 hole

includes screw for bullet (bullet sold separately)
Casted Stainless Steel

Hex Drive **6A323S584E7**

Square Drive **2004121**



90° Universal 2 hole

For 7" End Caps or Less

Comes with Bullet

Nickel Plated

Hex Drive **2001783**



90° Universal 4 hole

includes screw for bullet (bullet sold separately)
Casted Stainless Steel

Hex Drive **6A323T584E7**

Square Drive **2004125**



45° Universal 2 hole

For 6.5" - 10" End Cap; Comes with Bullet
Stainless Steel

Hex Drive **816F039411**



Bullet for Universal (pivot)

6A32341FX

Screw comes with Universal; Mates with Bell for removable crank handle



Universal Hex Extension Shaft x 13"

9420659

Mates with Hex Coupler for Universals



Universal Hex Coupler

9685120

for Extension Shaft



Handle Lock Wall Clip (plastic)

2005402



CRANK EXTENSION KIT

CRANK-KIT

Includes one of each of the following: Crank handle extension (1/2" tube) 2004173; SS handle for extension (needs pin 2003341) 2004166; Bell for extension (needs pin 2005400) 2001776; Roll Pin for Bell 2005400; Roll Pin for Handle 2003341



Crank Handle Extension

2004173

1/2" Tube x 10'

Mates with 2004166; needs pin 2005400



SS Handle for Extension

Mates with 2004173; Needs pin 2003341

2004166



Bell for Extension

2001776

Needs pin 2005400; Mates with Bullet for Crank Rod/Handle



Roll Pins

Mates with Bell and Crank Handle Extension

2005400

for Bell



2003341

for Handle

Mates with SS Handle 2004166

5' Crank Handle w/Bell (Nickel)

6A322E78215



5' Assembled Awning Handle & Hook

2001892



T8-9 OVERRIDE EYE & SHAFT

9340020

Not for use with 2008302 or 2008303

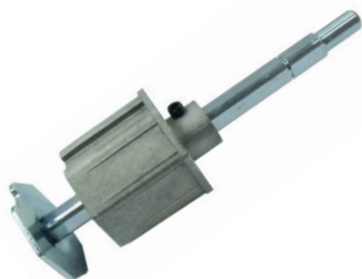


ROLL SHUTTER COMPONENTS: Caps, Pivots and Adapter Rings

Idle Side Adjustable Pivot (metal)

6C66643AL 60mm

6C66645AL 70mm



Idle Side Adjustable Pivot (plastic)

6C66643 60mm

6C66645 70mm



Bearing End Cap (bearing not included)

2003504 60mm

2003505 70mm



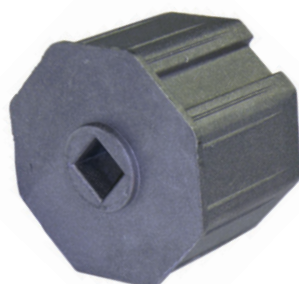
60mm Nylon Gear Insert
6D66603



Aluminum Gear Insert (metal)

6C66603AL 60mm

6C66605AL 70mm



Double Adjustable Cap

6A66743 60 mm

2005467 70 mm



60mm Adjustable Articulated Cap
6A66753 **CLOSEOUT**



60mm Cap with Round Pivot (plastic)
6D66633



Aluminum Cap w/Round Pivot (metal)

6D66633AL 60mm

6D66635AL 70mm



SIMU Idler Cap (use plate 2003638)

2003592 60mm

2003560 70mm



Octagonal Adapter Ring for Round Tube

2006280 60mm

2003501 70mm



ROLL SHUTTER COMPONENTS: Bearings and Plates; Plugs, Stops, Entry Guides, Slat Hangers, Slat Locks

**42 mm Ball Bearing
Steel Bushing**
6C35802



Bearing Plate
(100mm x 100mm)
6A39431
includes mounting screws



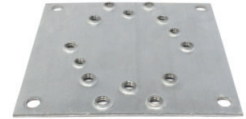
Heavy Duty Bearing Plate
(100mm x 100mm)
7006107
includes mounting screws



Plate for Gear
(100mm x 100mm)
6A39436
includes mounting screws



Universal Plate for Gear - no pin
(100mm x 100mm)
6A39441
includes mounting screws



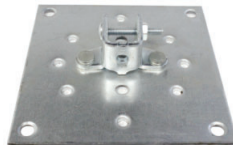
Simu 1424 Gear Plate
(for # 2002146)
2003639
includes mounting screws



SIMU Spring Support Plate
(100mm x 100mm)
2003638
w/retainer clip includes mounting screws



Spring Support Plate
(100mm x 100mm)
6A39438
w/retainer screw & nut includes mounting screws



Screws for ALL Plates
2005563
(Cheese head/4 per plate)



Hood Roller
40 x 95 x 30mm
2001826



10 mm - 3/8" Track Plugs
701277 White
Fits 3/8" drill hole



5/8" Track Plugs
Fits 5/8" drill hole
58NPWH White
58NPV Ivory
58NPBG Beige
58NPMB Bronze



Conical Stop
(screw included)
6D3332320 White *(shown)*
2006136 Ivory
2006320 Beige
2003493 Bronze



Entry Guide
NON END RETENTION
6D8642020 White
(by the pair - for 40mm)



Entry Guide
2005490 White
(by the pair)
Modify for 58mm ER



End Retention Entry Guides Sold as a Set
40-TMEG125
For Large Leg Open Face Track **40-COLOR-481**

40-TMEG156
For Small Leg Open Face Track **40-COLOR-476**

For Small Leg Closed Face Track **40-COLOR-483**

For Large Leg Closed Face Track **40-COLOR-478**

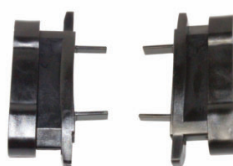
40mm Slat Lock Guide
40-63-796
Sold as a Set



40mm Slat Hanger
6A33713FX



58mm End Retention Slat Lock Guide
40-63-799
Sold as a Set



Slat Hanger
6A33619FX
for 55mm, 58mm, 60mm



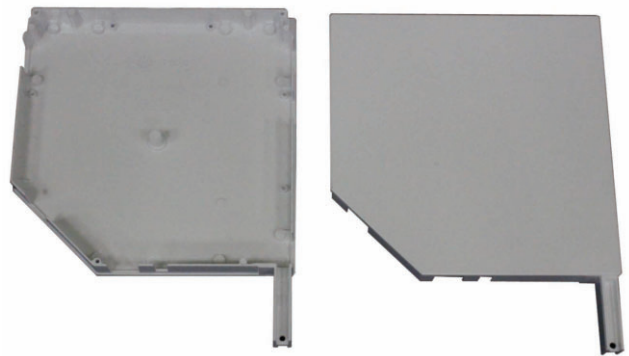
ROLL SHUTTER COMPONENTS: End Caps

45° End Caps: SMALL LEG (sold by the pair)

Colors Available:

White: W • Bronze: MB • Ivory: IV • Beige: BG • Mill Finish/Silver (no suffix)

5" End Cap 125 mm-powder	2006315COLOR
5.5" End Cap 137 mm-powder	2002765COLOR
6" End Cap 150 mm-powder	2005472COLOR
6.5" End Cap 150 mm-powder	2005327COLOR
7" End Cap 180 mm-powder	6C81518M20COLOR
8" End Cap 205 mm-powder	6C81520M20COLOR
10" End Cap 250 mm-powder	2006459COLOR

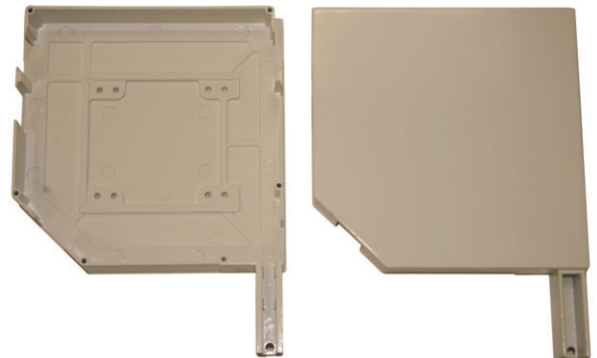


45° End Caps: LARGE LEG (sold by the pair)

Colors Available:

White: W • Bronze: MB • Ivory: IV • Beige: BG • Mill Finish/Silver (no suffix)

8" End Cap 205 mm-powder	7008-592COLOR	
10" End Cap 250 mm-powder	6C8172520COLOR	
12" End Cap 300 mm-powder	6C8173020COLOR	
10" HD 250MM END CAP KIT	9018758	White
12" HD 300MM END CAP KIT	9018759	White
14" HD 360MM END CAP KIT	9018906	White



End Cap Kits Include: left & right cap, wall bracket, safety plate, plate support and roller accessory kit

90° End Caps (sold by the pair)

SMALL LEG ONLY

Mill Finish Only

7" End Cap	SPECIAL ORDER <u>2002721</u>
8" End Cap	SPECIAL ORDER <u>2002731</u>
10" End Cap	SPECIAL ORDER <u>2002741</u>



ROLL SHUTTER COMPONENTS: Safety Plates

SAFETY PLATES (sold by the pair)

180-45 hole 72 (7") use with 60mm	<u>7008-549</u>
205-45 hole 72 (8") use with 60mm	<u>7008-551</u>
205-45 hole 92 (8") use with 70mm	<u>7008-457</u>
250-45 hole 92 (10") use with 70mm	<u>7008-245</u>
300-45 hole 92 (12") use with 70mm	<u>7008-247</u>



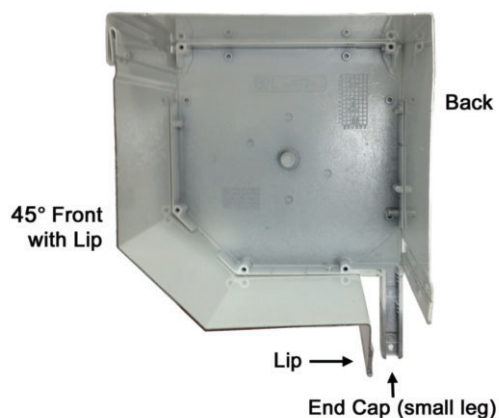
ROLL SHUTTER COMPONENTS: Roll Shutter Hoods (Custom Sizes Available)

45° HOODS - SMALL LEG End Cap

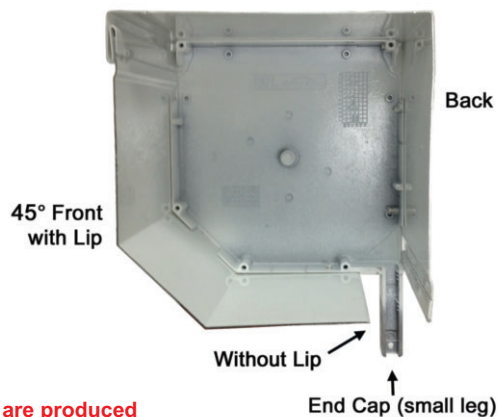
Colors Available: White: WH • Bronze: MB • Ivory: IV • Beige: BG

Product Code	Description	Style
120-COLOR-5FL45	5" HOOD	45° Front with Lip
120-COLOR-5FN45	5" HOOD	45° Front (No Lip)
120-COLOR-5B	5" HOOD	Back
120-COLOR-5.5FL45	5.5" HOOD	45° Front with Lip
120-COLOR-5.5FN45	5.5" HOOD	45° Front (No Lip)
120-COLOR-5.5B	5.5" HOOD	Back
120-COLOR-6FL45	6" HOOD	45° Front with Lip
120-COLOR-6FN45	6" HOOD	45° Front (No Lip)
120-COLOR-6B	6" HOOD	Back
120-COLOR-6.5FL45	6.5" HOOD	45° Front with Lip
120-COLOR-6.5FN45	6.5" HOOD	45° Front (No Lip)
120-COLOR-6.5B	6.5" HOOD	Back
120-COLOR-7FL45	7" HOOD	45° Front with Lip
120-COLOR-7FN45	7" HOOD	45° Front (No Lip)
120-COLOR-7B	7" HOOD	Back
120-COLOR-8FL45	8" HOOD	45° Front with Lip
120-COLOR-8FN45	8" HOOD	45° Front (No Lip)
120-COLOR-8B	8" HOOD	Back

7" 45° HOOD WITH LIP



7" 45° HOOD WITHOUT LIP

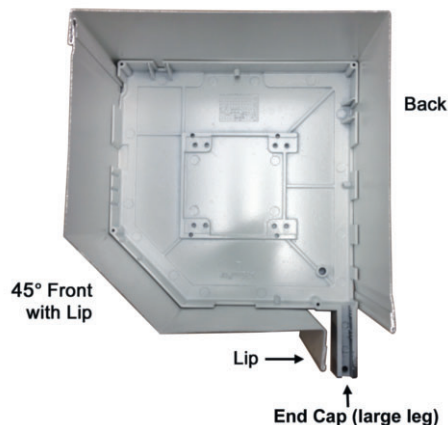


Hoods are produced to order; generally ready to ship in one week or less from FL.

45° HOODS – LARGE LEG End Cap

Colors Available: White: WH • Bronze: MB • Ivory: IV • Beige: BG

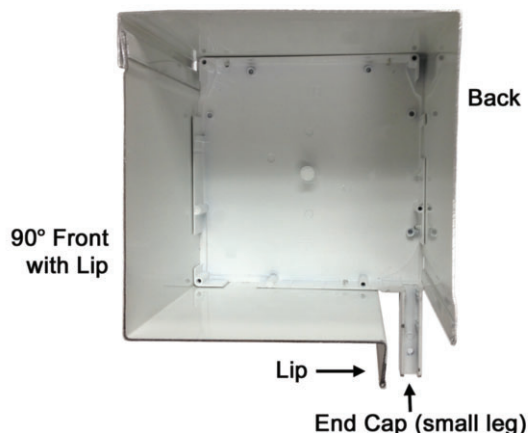
Product Code	Description	Style
120-COLOR-8FL45LL	8" HOOD	45° Front with Lip
120-COLOR-8FN45LL	8" HOOD	45° Front (No Lip)
120-COLOR-8B	8" HOOD	Back
120-COLOR-10FL45	10" HOOD	45° Front with Lip
120-COLOR-10FN45	10" HOOD	45° Front (No Lip)
120-COLOR-10B	10" HOOD	Back
120-COLOR-12FL45	12" HOOD	45° Front with Lip
120-COLOR-12FN45	12" HOOD	45° Front (No Lip)
120-COLOR-12B	12" HOOD	Back



90° HOODS – SMALL LEG End Cap

Colors Available: White: WH • Bronze: MB • Ivory: IV • Beige: BG

Product Code	Description	Style
120-COLOR-7FLSQ9	7" HOOD	90° Front with Lip
120-COLOR-7FNSQ9	7" HOOD	90° Front (No Lip)
120-COLOR-7B	7" HOOD	Back
120-COLOR-8FLSQ	8" HOOD	90° Front with Lip
120-COLOR-8FNSQ	8" HOOD	90° Front (No Lip)
120-COLOR-8B	8" HOOD	Back
120-COLOR-10FLSQ	10" HOOD	90° Front with Lip
120-COLOR-10FNSQ	10" HOOD	90° Front (No Lip)
120-COLOR-10B	10" HOOD	Back



HOME AUTOMATION

TaHoma Smart Home Gateway 1811731

- Can hold up to 40 channels
- Multiple devices can be joined for multi-zone control
- Compatible with Remote Motor Kits: 445SK, 528SK, 446SK, 527SK
- Compatible with all wireless Somfy/Simu wireless receivers



DOOYA Smart Hub

DD7002B

- One Hub can connect to 30 motors
- One account can include 5 different locations
- Each location can control 5 Hubs
- Each account can have up to 3 guests
- Compatible with Remote Motor Kits: 345K, 445K, 528K, 346K, 446K, S446KB and 527K
- Compatible with Wireless Receivers: DC74, DC136



Compatible with
GOOGLE HOME &
ALEXA

SIMU Somfy myLink Smart Hub

1811264

- Can hold up to 16 channels
- Can join 10 MyLinks together
- Compatible with Remote Motor Kits: 445SK, 528SK, 446SK, and 527SK
- Compatible with Wireless Receivers: 1810481, 1810602, 2008191



EMS Brand Solar Motor Kit - **NEW!**

Remote Override (TYPE 5)

S346KB 30Nm lifting capacity up to 119 lbs

S446KB 50Nm lifting capacity up to 200 lbs

Both used with **DD1538HK**

Includes (Also Sold Separately): 60 & 70mm Crowns; 60 & 70mm Drives • Bracket

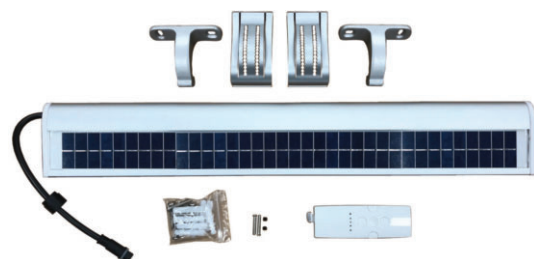


Bi-Directional Solar Panel Kit - **NEW!**

DD1538HK

Used with **S346KB** & **S446KB**

Includes: Quick Mount Wall Brackets, Hinged Brackets, Mounting Hardware, 5 Channel Remote



No Electrician Needed
No Electrical Permit Required

Solar Motor Includes:

Remote Override; 8' Power Cable with Twist Connection
5 Channel Remote

24" Solar Panel Includes:

Rechargeable Battery; 2' Power Cable with Twist Connection
Micro USB Charging ; Quick Mount Wall Brackets

Recommended use:

40mm ER & Single Wall Roll Shutters

Contact your EMS Sales Representative today for details and pricing.

ROLL SHUTTER MOTORS: EMS Brand Standard & Override Motor Kits

EMS Brand Motor Specification Chart - NOT compatible with SIMU motor products

Model	Rated Torque	Output Speed	Motor Length	Rated Voltage	Freq.	Rated Power	Rated Current	Continuous Run Time	Protection Degree	Max Limit Turns	Theoretical Lifting Capacity**
Standard Motors											
<u>349K</u>	30 Nm	13 rpm	21.5"	120V	60Hz	152W	1.51A	4min	IP44	45	134lbs - 148 lbs
<u>449K</u>	50 Nm	13 rpm	21.5"	120V	60Hz	235W	2.2A	4min	IP44	22	150lbs - 246 lbs
<u>510K</u>	100 Nm	11 rpm	32.75"	120V	60Hz	340W	2.94A	4min	IP44	22	256lbs - 386lbs
Standard w/Override Motor											
<u>323K</u>	30 Nm	13 rpm	24"	120V	60Hz	152W	1.51A	4min	IP44	45	134lbs - 148 lbs
<u>423K</u>	50 Nm	13 rpm	24"	120V	60Hz	235W	2.2A	4min	IP44	22	150lbs - 246 lbs
<u>529K</u>	100 Nm	11 rpm	24.5"	120V	60Hz	340W	2.94A	4min	IP44	22	256lbs - 386lbs
Remote Motor											
<u>345K</u>	30 Nm	13 rpm	27"	120V	60Hz	152W	1.51A	4min	IP44	45	134lbs - 148 lbs
<u>445K</u>	50 Nm	13 rpm	27"	120V	60Hz	235W	2.2A	4min	IP44	22	150lbs - 246 lbs
<u>528K</u>	100 Nm	11 rpm	30.5"	120V	60Hz	340W	2.94A	4min	IP44	22	256lbs - 386lbs
Remote w/Override Motor											
<u>346K</u>	30 Nm	13 rpm	29.75"	120V	60Hz	152W	1.51A	4min	IP44	45	134lbs - 148 lbs
<u>446K</u>	50 Nm	13 rpm	29.75"	120V	60Hz	235W	2.2A	4min	IP44	22	150lbs - 246 lbs
<u>527K</u>	100 Nm	11 rpm	30.5"	120V	60Hz	340W	2.94A	4min	IP44	22	256lbs - 386lbs
Standard w/Override Motor											
<u>580K</u> (NOT UL LISTED)	300 Nm	11 rpm	23.75"	120V	60Hz	881W	8.17A	4min	IP44	30	760lbs - 1015lbs

** Lifting Capacity decreases as the height increases.

EMS Brand Standard Motor Kit (TYPE 5)

349K (DM45S) 30Nm; 4 Wire
449K (DM45S) 50Nm; 4 Wire equiv. to 449SK

Includes (Also Sold Separately):
 60 & 70MM Crowns • 60 & 70mm Drives
 Bracket • Alt. Bracket



EMS Brand Standard Motor Kit (TYPE 6)

510K (DM59S) 100Nm; 4 Wire equiv. to 510SK

Includes (Also Sold Separately):
 70MM Crown • 70mm Drive
 Bracket • Alt. Bracket



EMS Brand Standard Override Motor Kit (TYPE 5)

323K (DM45S) 30Nm; 4 Wire
423K (DM45S) 50Nm; 4 Wire equiv. to 423SK

Includes (Also Sold Separately):
 60 & 70MM Crowns • 60 & 70mm Drives
 Bracket



EMS Brand Standard Override Motor Kit (TYPE 6)

529K (DM59M) 100Nm; 4 Wire equiv. to 529SK

Includes (Also Sold Separately):
 70MM Crown • 70mm Drive
 Bracket • Alt. Bracket



EMS Brand Override Motor Kit (TYPE 9)

(NOT UL LISTED)
580K (DM92M) 300Nm; 4 Wire

Includes (Also Sold Separately):
 100MM Crown • 100mm Drive
 No Bracket - Direct Mount
 Override Crank Eye



Use DC136 to
 make Remote

ROLL SHUTTER MOTORS: EMS Brand Remote Motor Kits

EMS Brand Remote Motor Kit (TYPE 5)

345K (DM45R) 30Nm; 3 Wire

445K (DM45R) 50Nm; 3 Wire equiv. to **445SK**

Includes (Also Sold Separately):

60 & 70MM Crowns • 60 & 70mm Drives

Bracket • Alt. Bracket • Five Channel Emitter



EMS Brand Remote Motor Kit (TYPE 6)

528K (DM59R) 100Nm; 3 Wire equiv. to **528SK**

Includes (Also Sold Separately):

70MM Crown • 70mm Drive

Bracket • Alt. Bracket • Five Channel Emitter



ROLL SHUTTER MOTORS: EMS Brand Remote Override Motor Kits

EMS Brand Remote Override Motor Kit (TYPE 5)

346K (DM45R) 30Nm; 3 Wire

446K (DM45R) 50Nm; 3 Wire
equiv. to **446SK**

Includes (Also Sold Separately):

60 & 70MM Crowns • 60 & 70mm Drives

Bracket • Five Channel Emitter



EMS Brand Solar Motor Kit - **NEW!** Remote Override (TYPE 5)

S346KB (DM45R) 30Nm lifts up to 119 lbs

S446KB (DM45R) 50Nm lifts up to 200 lbs

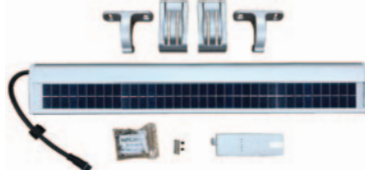
Both used with **DD1538HK** (see below)

Includes (Also Sold Separately): 60 & 70MM Crowns

60 & 70mm Drives • Bracket • Five Channel Emitter



DD1538HK Solar Panel Kit - **NEW!**



EMS Brand Remote Override Motor Kit (TYPE 6)

527K (DM59R) 100Nm; 3 Wire
equiv. to **527SK**

Includes (Also Sold Separately):

70MM Crown • 70mm Drive

Bracket • Alt. Bracket

Five Channel Emitter



ROLL SHUTTER MOTORS: EMS Brand Miscellaneous Electronics

WiFi Smart Hub

DD7002B

For Dooya Motors



15 Channel Remote

Unidirectional

DC1602



Keychain Emitter

DC61

One Channel



Twenty Channel Wireless Receiver

DC74 (Standard Motors)

DC136 (for 580K)



SIMU ROLL SHUTTER MOTORS: Standard & Override Motor Kits

SIMU Motor Specification Chart - NOT compatible with EMS motor products

Model	Rated Torque	Output Speed	Motor Length	Rated Voltage	Freq.	Rated Power	Rated Current	Continuous Run Time	Protection Degree	Max Limit Turns	Theoretical Lifting Capacity**
Standard Motors											
449SK	50 Nm	12 rpm	23.625"	120V	60Hz	210W	2.1A	5min	IP44	28	224lbs-246lbs
510SK	100 Nm	14 rpm	27.125"	120V	60Hz	430W	3.8A	4min	IP44	22	308lbs-448lbs
Standard w/Override Motor											
423SK	50 Nm	12 rpm	26"	120V	60Hz	210W	2.1A	5min	IP44	28	224lbs-246lbs
529SK	100 Nm	14 rpm	26.25"	120V	60Hz	430W	3.8A	5min	IP44	28	308lbs-448lbs
Remote Motor											
445SK	50 Nm	12 rpm	26.5"	120V	60Hz	250W	2.1A	5min	IP44	28	224lbs-246lbs
528SK	100 Nm	14 rpm	28.75"	120V	60Hz	430W	3.8A	4min	IP44	28	308lbs-448lbs
Remote w/Override Motor											
446SK	50 Nm	12 rpm	30.25"	120V	60Hz	250W	2.1A	5min	IP44	28	224lbs-246lbs
527SK	100 Nm	14 rpm	33.75"	120V	60Hz	430W	3.8A	5min	IP44	28	308lbs-448lbs

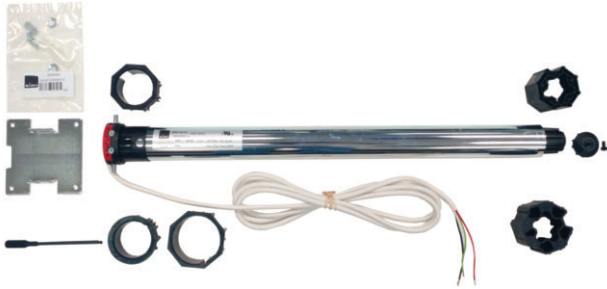
** Lifting Capacity decreases as the height increases.

SIMU Standard Motor Kit (TYPE 5)

449SK (DM45S) 50Nm; 4 Wire equiv. to **449K**

Includes (Also Sold Separately):

60 & 70MM Crowns • 60 & 70mm Drives • Bracket • Alt. Bracket



SIMU Standard Motor Kit (TYPE 6)

510SK (DM59S) 100Nm; 4 Wire equiv. to **510K**

Includes (Also Sold Separately):

70MM Crown • 70mm Drive • Bracket • Alt. Bracket



SIMU Standard Override Motor Kit (TYPE 5)

423SK (DM45S) 50Nm; 4 Wire equiv. to **423K**

Includes (Also Sold Separately):

60 & 70MM Crowns • 60 & 70mm Drives • Bracket



SIMU Standard Override Motor Kit (TYPE 6)

529SK (DM59M) 100Nm; 4 Wire equiv. to **529K**

Includes (Also Sold Separately):

70MM Crown • 70mm Drive • Bracket

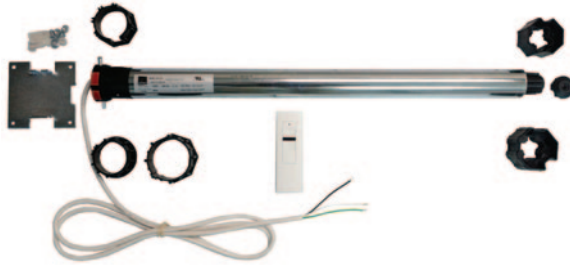


SIMU ROLL SHUTTER MOTORS: Remote Motor Kits

SIMU Remote Motor Kit (TYPE 5)

445SK (DM45R) 50Nm; 3 Wire equiv. to **445K**

*Includes (Also Sold Separately): 60 & 70MM Crowns
60 & 70mm Drives • Bracket; Five Channel Emitter*



SIMU Remote Motor Kit (TYPE 6)

528SK (DM59R) 100Nm; 3 Wire equiv. to **528K**

*Includes (Also Sold Separately): 70MM Crown • 70mm Drive • Bracket
Alt. Bracket; Five Channel Emitter*



SIMU ROLL SHUTTER MOTORS: Remote Override Motor Kits

SIMU Remote Override Motor Kit (TYPE 5)

446SK (DM45R) 50Nm; 3 Wire equiv. to **446K**

*Includes (Also Sold Separately): 60 & 70MM Crowns
60 & 70mm Drives • Bracket; Five Channel Emitter*



SIMU Remote Override Motor Kit (TYPE 6)

527SK (DM59R) 100Nm; 3 Wire equiv. to **527K**

*Includes (Also Sold Separately): 70MM Crown • 70mm Drive • Bracket
Five Channel Emitter*



ROLL SHUTTER MOTORS: Hz Radio Systems Accessories

Device for Home
Automation Somfy
myLink App
1811264 White



HZ TRANSMITTER
2006143 White
5 Channel
Handheld



HZ TRANSMITTER
2007350 White
16 Channel
Handheld



HZ TRANSMITTER
1810603 White
1810604 Ivory
1 Channel Recessed
Designer



HZ TRANSMITTER
1810813 White
1810606 Ivory
5 Channel Recessed
Designer



HZ RADIO
EXTERNAL
KEYPAD
2006029
Up to 2 Hz Motors



HZ 2 CHANNEL
KEYCHAIN
TRANSMITTER
2005326 ref.
2008329



ROLL SHUTTER MOTORS: Miscellaneous Electronics

RELAY/ISOLATION
CONTROL
1822135 (NON STOCK)
For 2 Switches on 1 Motor



EXTERNAL RADIO
RECEIVER (Non Stock)
1810481
For IGC; Remote for
Duals & Sync Kit



EXTERNAL RADIO
RECEIVER (Non Stock)
1810602
Makes a Standard Motor
Remote



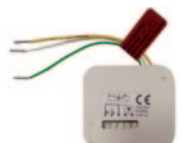
EXTERNAL SYNC.
CONTROL
For Dual Motors
1822159 Standard IGC
1822161 (Non Stock)



GROUP RELAY
SWITCH
2282074 (Non Stock)
2 Motors on 1 Master Switch
2282075 (Non Stock)
3 Motors on 1 Master Switch



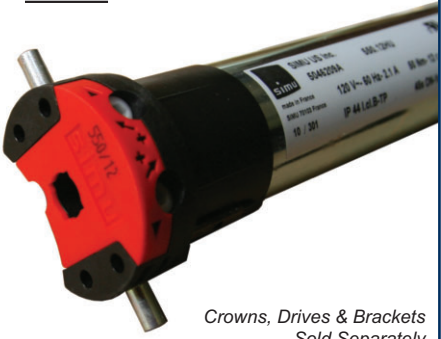
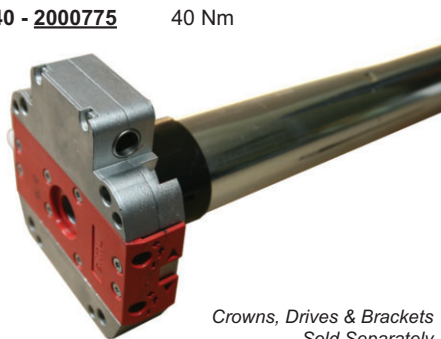
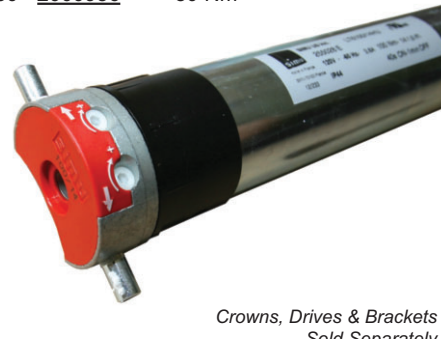
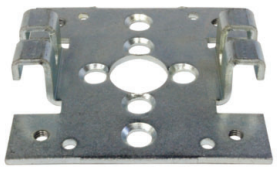
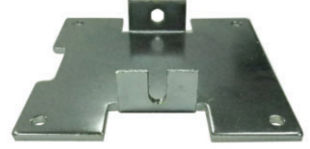
EXTERNAL HZ
RECEIVER
2008191
Micro Motor 120V AC



SIMU Motor Specifications - Single Motors (Non-Kits)

Model	Rated Torque	Output Speed	Tube Diameter	Rated Voltage	Freq.	Rated Power	Rated Current	Continuous Run Time	Protection Degree	Max Limit Turns	Theoretical Lifting Capacity**
Standard Motors (TYPE 5)											
535 - 2000648	35 Nm	18 rpm	47mm	120V	60 Hz	210W	2.1A	5 min	IP44	28	143 lbs - 172 lbs
540 - 2000652	40 Nm	12 rpm	47mm	120V	60 Hz	210W	1.8A	5 min	IP44	28	179 lbs - 195 lbs
Standard w/Override Motors (TYPE 5)											
530 - 2000774	30 Nm	12 rpm	47mm	120V	60 Hz	170W	1.5A	5 min	IP44	28	134 lbs - 148 lbs
535 - 2000771	35 Nm	18 rpm	47mm	120V	60 Hz	250W	2.1A	5 min	IP44	28	143 lbs - 172 lbs
540 - 2000775	40 Nm	12 rpm	47mm	120V	60 Hz	210W	1.8A	5 min	IP44	28	179 lbs - 195 lbs
Standard w/Override Motor											
660 - 2000985	60 Nm	14 rpm	60mm	120V	60 Hz	285W	2.5A	4 min	IP44	22	185 lbs - 268 lbs
680 - 2000986	80 Nm	14 rpm	60mm	120V	60 Hz	390W	3.4A	4 min	IP44	22	246 lbs - 358 lbs

ROLL SHUTTER MOTORS by SIMU: Standard Motors - Type 5 & 6

SIMU STANDARD MOTORS (TYPE 5) SPECIAL ORDER 535 - 2000648 35 Nm 540 - 2000652 40 Nm  <i>Crowns, Drives & Brackets Sold Separately</i>		SIMU OVERRIDE MOTORS (TYPE 5) SPECIAL ORDER 530 - 2000774 30 Nm 535 - 2000771 35 Nm 540 - 2000775 40 Nm  <i>Crowns, Drives & Brackets Sold Separately</i>		SIMU STANDARD MOTORS (TYPE 6) SPECIAL ORDER 660 - 2000985 60 Nm 680 - 2000986 80 Nm  <i>Crowns, Drives & Brackets Sold Separately</i>	
MOTOR ADAPTORS (crown & drive) 9012814 TYPE 5 60mm Octagonal Set, Aluminum Drive Wheel 		MOTOR ADAPTORS (crown & drive) 9012812 TYPE 5 70mm Octagonal Set, Aluminum Drive Wheel 		MOTOR ADAPTORS (crown & drive) 9012815 TYPE 6 70mm Octagonal Set, Aluminum Drive Wheel 	
MOTOR BRACKETS 9520049 TYPE 5 Operator Bracket 80mm x 80mm square 		MOTOR BRACKETS 9520187 TYPE 5 Operator Bracket 100mm x 100mm square 		MOTOR BRACKETS DZ315K TYPE 5 & 6 DMI Override Operator Bracket ref. 9706034 	
				MOTOR BRACKETS 9530018 TYPE 6 Operator Bracket 100mm x 100mm square 	

SIMU Motor Specifications - Single Motors (Non-Kits)

Model	Rated Torque	Output Speed	Tube Diameter	Rated Voltage	Freq.	Rated Power	Rated Current	Continuous Run Time	Protection Degree	Max Limit Turns	Theoretical Lifting Capacity**
Standard w/Override Motor											
T8 - 2008302	200 Nm	10 rpm	94mm	120V	60 Hz	600W	5.6A	4min	IP44	17	490 - 551 lbs
T8 - 2008303	280 Nm	10 rpm	94mm	120V	60 Hz	820W	6.9A	4min	IP44	17	686 - 771 lbs

**** Lifting Capacity decreases as the height increases.**

ROLL SHUTTER MOTORS by SIMU: Standard Motors - Type 8

SIMU OVERRIDE MOTORS (TYPE 8)

SPECIAL ORDER

T8 - 2008302 200 Nm



To make Remote Use 1810602

9001297 Drive
9018069 Bracket

Drives & Brackets
Sold Separately

SIMU SLIM OVERRIDE MOTOR (TYPE 8)

SPECIAL ORDER

T8 - 2008303 280 Nm



To make Remote Use

Smart Motor Control 2005720 and IGC Control 1810481

9001297 Drive
9018069 Bracket

Drives & Brackets
Sold Separately

ROLL SHUTTER MOTORS by SIMU: Toggle Switches

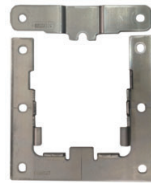
MOTOR ADAPTORS (drive)

9001297
T8 94MM Round Drive Wheel



MOTOR BRACKETS

9018069
T8 Bracket Angle
(2 piece set)



T8 IDLER SUPPORT

2003807



94MM IDLE INSERT

9542008



TOGGLE SWITCH

Single Pole Maintained
2005520 Ivory
2005521 White



TOGGLE SWITCH

Single Pole Momentary
2005522 Ivory
2005523 White



KEY SWITCHES

2001547 Maintain
2001548 Momentary

2005752*
Extra Key Blanks
*Non Stock Item



DESIGNER PADDLE SWITCHES

Single Pole Maintained
2005553 Ivory
2005554 White



DESIGNER PADDLE SWITCHES

Single Pole Momentary
2005558 Ivory
2005559 White



TEST SWITCH

2001476
Installation
Test switch



SIMU Motor Specifications - Single Motors (Non-Kits)

Model	Rated Torque	Output Speed	Tube Diameter	Rated Voltage	Freq.	Rated Power	Rated Current	Continuous Run Time	Protection Degree	Max Limit Turns	Theoretical Lifting Capacity**
Remote Motor											
520 - 2006353	35 Nm	12 rpm	47mm	120V	60 Hz	130W	1.1A	5 min	IP44	28	82 lbs - 100 lbs
530 - 2005136	30 Nm	12 rpm	47mm	120V	60 Hz	170W	1.5A	5 min	IP44	28	123 lbs - 148 lbs
535 - 2005135	35 Nm	18 rpm	47mm	120V	60 Hz	250W	2.1A	5 min	IP44	28	143 lbs - 172 lbs
Remote w/Override Motor											
530 - 2004673	30 Nm	12 rpm	47mm	120V	60 Hz	170W	1.5A	5 min	IP44	28	123 lbs - 148 lbs
535 - 2004674	35 Nm	18 rpm	47mm	120V	60 Hz	250W	2.1A	5 min	IP44	28	143 lbs - 172 lbs

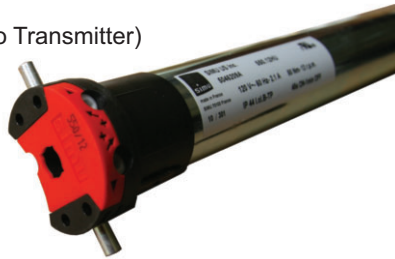
** Lifting Capacity decreases as the height increases

ROLL SHUTTER MOTORS by SIMU: Remote Hz Motors - Type 5

REMOTE Hz (TYPE 5) SPECIAL ORDER

520 - 2006353	20 Nm
530 - 2005136	30 Nm (No Transmitter)
535 - 2005135	35 Nm

Crowns, Drives
& Brackets
Sold Separately



REMOTE Hz OVERRIDE MOTORS (TYPE 5) SPECIAL ORDER

530 - 2004673*	30 Nm (No Transmitter)
535 - 2004674	35 Nm

Crowns, Drives
& Brackets
Sold Separately



ROLL SHUTTER MOTORS: Hz Radio Systems Accessories

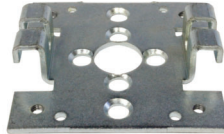
MOTOR ADAPTORS
(crown & drive)
9012814 TYPE 5
60mm Octagonal Set,
Aluminum Drive Wheel



MOTOR ADAPTORS
(crown & drive)
9012812 TYPE 5
70mm Octagonal Set,
Aluminum Drive Wheel



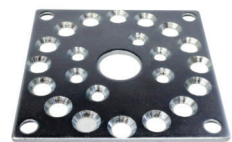
MOTOR BRACKETS
9520049 TYPE 5
Operator Bracket
80mm x 80mm square



MOTOR BRACKETS
9520187 TYPE 5
Operator Bracket
100mm x 100mm square



MOTOR BRACKETS
DZ315K TYPE 5
DMI Override Operator
Bracket
ref. [9706034](#)



Device for Home
Automation Somfy
myLink App
1811264 White



Hz TRANSMITTER
2006143 White
5 Channel
Handheld



Hz TRANSMITTER
2007350 White
16 Channel
Handheld



Hz TRANSMITTER
1810603 White
1810604 Ivory
1 Channel Recessed
Designer



Hz TRANSMITTER
1810813 White
1810606 Ivory
5 Channel Recessed
Designer



Hz RADIO
EXTERNAL
KEYPAD
2006029
Up to 2 Hz Motors



Hz 2 CHANNEL
KEYCHAIN
TRANSMITTER
2005326 ref.
[2008329](#)



RELAY/ISOLATION
CONTROL
1822135 (NON STOCK)
For 2 Switches on 1 Motor



EXTERNAL RADIO
RECEIVER (Non Stock)
1810481
For IGC; Remote for
Duals & Sync Kit



EXTERNAL RADIO
RECEIVER (Non Stock)
1810602
Makes a Standard Motor
Remote



EXTERNAL SYNC.
CONTROL
For Dual Motors
1822159 Standard IGC
1822161 (Non Stock)



GROUP RELAY
SWITCH
2282074 (Non Stock)
2 Motors on 1 Master Switch
2282075 (Non Stock)
3 Motors on 1 Master Switch

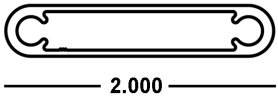
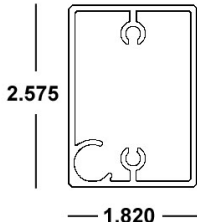
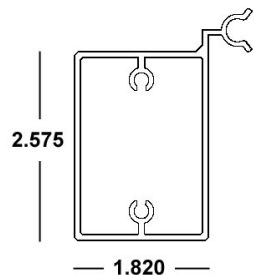
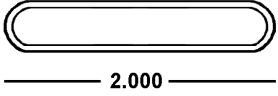
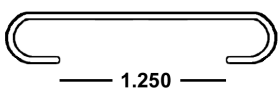
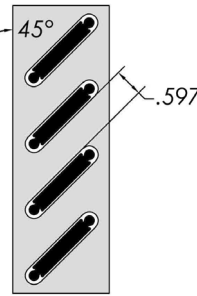
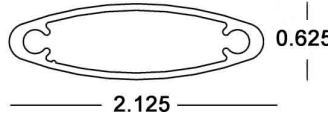
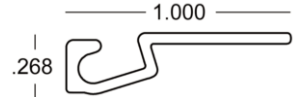


EXTERNAL HZ
RECEIVER
2008191
Micro Motor 120V AC



HIGH VISIBILITY™ BAHAMA/COLONIAL SYSTEM

Code Approvals: FBC (non-HVHZ)

Bahama/Colonial Hollow Blade x 16' Mill Finish 80-MF-013 uses #14 screw  2.000	HV™ Bahama/Colonial Horizontal Frame x 20' 41-63-819 Mill Finish  2.575 1.820	HV™ Bahama Horizontal Frame x 20' 41-63-826 Mill Finish  2.575 1.820	2.33 x 2 HV™ Bahama/Colonial Center Mullion x 12' Mill Finish Punched 41-63-818P 2" Blade (shown) 41-63-818PA 2-1/8" Airfoil 
Bahama Decorative Blade x 16' Mill Finish 41-63-830 (Non-Impact)  2.000		2.33 x 2 HV™ Bahama/Colonial Side Frame x 20' 7" Mill Finish 41-63-823L (Punched-Left) 41-63-823R (Punched-Right) 	2.33 x 2" HV™ Bahama/Colonial Air Foil Side Frame x 20' 7" SPECIAL ORDER (Mill Finish) Accepts 2-1/8" Airfoil Blade 56-63-200 41-63-823LA (Punched-Left) 41-63-823RA (Punched-Right) 
Colonial Decorative Blade x 16' Mill Finish 41-63-835 (Non-Impact)  2.000 1.250	 45° .597 High Visibility 2" Blade Typical Angularity & Spacing		
2-1/8" Bahama/Colonial Air Foil Blade x 16' Mill Finish 56-63-200 uses #14 screw  2.125 0.625	18/14 Charcoal Screen 100' Rolls 200-CC-025 36" 200-CC-024 60" 200-CC-026 72" 200-CC-027 78" 200-CC-028 84" 200-CC-034 90" 200-CC-029 96" 200-CC-023 102" 200-CC-030 108"	Flat Spline Roller 200-SR-10 	HV™ Colonial Wood Hinge 2" 41-63-843 Wall Mount 1 pc Mill Finish 
Bahama/Colonial Screen Frame x 12' Mill Finish 41-63-859 with Spline Groove  1.000 .268		HV™ Colonial Concrete Hinge 2" 41-63-844 Wall Mount 1 pc Mill Finish 	HV™ Colonial Flat Hinge 2" 41-63-845 Wall Mount 1 pc Mill Finish 
			HV™ Colonial Storm Bar Clip Shutter Mount 1pc 41-63-840 Mill Finish 41-63-840WH White 41-63-840BK Black 41-63-840MB Bronze 

High Visibility Bahama Colonial coverage chart - Additional heights available upon request.

visible blades	finished height"	visible blades	finished height"	visible blades	finished height"	visible blades	finished height"	visible blades	finished height"	visible blades	finished height"
1	6-7/8	18	30-1/4	35	53-5/8	52	77	69	100-3/8	86	123-3/4
2	8-1/4	19	31-5/8	36	55	53	78-3/8	70	101-3/4	87	125-1/8
3	9-5/8	20	33	37	56-3/8	54	79-3/4	71	103-1/8	88	126-1/2
4	11	21	34-3/8	38	57-3/4	55	81-1/8	72	104-1/2	89	127-7/8
5	12-3/8	22	35-3/4	39	59-1/8	56	82-1/2	73	105-7/8	90	129-1/4
6	13-3/4	23	37-1/8	40	60-1/2	57	83-7/8	74	107-1/4	91	130-5/8
7	15-1/8	24	38-1/2	41	61-7/8	58	85-1/4	75	108-5/8	92	132
8	16-1/2	25	39-7/8	42	63-1/4	59	86-5/8	76	110	93	133-3/8
9	17-7/8	26	41-1/4	43	64-5/8	60	88	77	111-3/8	94	134-3/4
10	19-1/4	27	42-5/8	44	66	61	89-3/8	78	112-3/4	95	136-1/8
11	20-5/8	28	44	45	67-3/8	62	90-3/4	79	114-1/8	96	137-1/2
12	22	29	45-3/8	46	68-3/4	63	92-1/8	80	115-1/2	97	138-7/8
13	23-3/8	30	46-3/4	47	70-1/8	64	93-1/2	81	116-7/8	98	140-1/4
14	24-3/4	31	48-1/8	48	71-1/2	65	94-7/8	82	118-1/4		
15	26-1/8	32	49-1/2	49	72-7/8	66	96-1/4	83	119-5/8		
16	27-1/2	33	50-7/8	50	74-1/4	67	97-5/8	84	121		
17	28-7/8	34	52-1/4	51	75-5/8	68	99	85	122-3/8		



EASTERN METAL SUPPLY

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061

HURRICANE 41
09/13/22

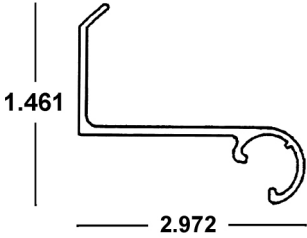
www.easternmetal.com



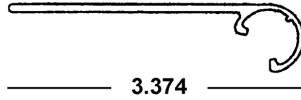
HIGH VISIBILITY™ BAHAMA/COLONIAL SYSTEM

Code Approvals: FBC (non-HVHZ)

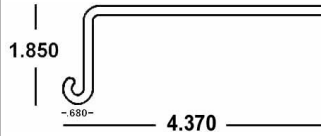
HV™ Female Bahama Hinge x 20'
41-63-836 Mill Finish



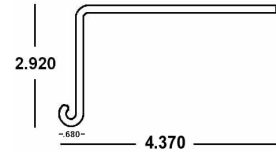
Bahama Female Flat Hinge x 20'
41-63-805 Mill Finish
6 pcs Ceiling Mount



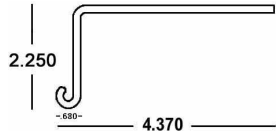
Colonial Single Hinge x 12'
Mill Finish 6 pcs
41-63-816 Wall Mount
Mates with 41-63-824N



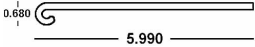
Colonial Double Hinge x 12'
Mill Finish 4 pcs; Wall Mount
41-63-813 Mates with 41-63-824N



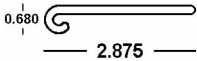
2.25 Colonial Double Hinge x 12'
Mill Finish 4 pcs; Wall Mount
52-61-4146 Mates with 41-63-824N



Colonial Flat Hinge x 12' Wall Mount
Mill Finish 6 pcs
41-63-811
Mates with 41-63-824N



Colonial Flat Hinge x 12' Shutter Mount
Mill Finish 6 pcs
41-63-824N
Mates with 41-63-816, 41-63-813, 41-63-811, 41-63-824N



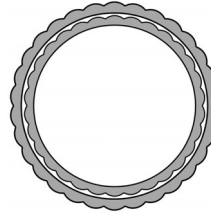
HV™ Bahama Hold Down Bracket 4"
WOOD Wall Mount Storm Bar Clips
Set: 1 pc right & 1 pc left
41-63-841 Mill Finish
41-63-841WH White
41-63-841BK Black
41-63-841MB Bronze



HV™ Bahama Hold Down Bracket 4"
CONCRETE Wall Mount Storm Bar Clips
1 pc
41-63-842 Mill Finish
41-63-842WH White
41-63-842BK Black
41-63-842MB Bronze

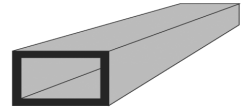


Telescoping Serrated Tube x 20'
Mill Finish
52-63-537 .875"
26 pcs
51-63-381 1.000"
32 pcs



1 x 2 x 1/8 Storm Bar x 24'
20-63-225 Mill Finish
20-WH-231 White
20-MB-231 Bronze
20-IV-231 Ivory
20-BG-231 Beige

1 x 3 x 1/8 Storm Bar x 24'
20-63-230 Mill Finish
20-WH-230 White
20-IV-230 Ivory
20-BG-230 Beige



1 x 3 x 1/8 x 24' Radius Corner
Stock Also Available:
20-63-689 (NC/TX) Mill Finish

1" SLIP COLLAR WITH THUMB SCREW

Accepts 1" Serrated Tube for Telescoping Arms

7000 (FL/TX) Mill Finish x 9/16"
7000WH White x 9/16"
7000BK Black x 9/16"
7000MB Bronze x 9/16"
52-00-139 (TX) Mill Finish x 9/16" (No Thumbscrew)
MILL ORDER 52-63-2484 Mill Finish x 20" (No Thumbscrew)
41014 (TX) 1/4-20 x 3/4 Thumbscrew (mates with 52-00-139)
41021 (TX) 1/4-20 x 1 Thumbscrew (mates with 52-00-139)



CAMEL BACK CLIP WITH PIN

7001 Mill Finish
7001WH White
7001BK Black
7001MB Bronze



HV™ Bahama Telescoping Arm Kit

Kit includes 2 Tubes, Slip Collar, Camel Back, Cap and U-Clip.
(Approximate Max Extended Length shown in parenthesis)

Code	Arm Size (Extended) Finish	Code	Arm Size (Extended) Finish
7002K	12" (23") MF	7017K	30" (59") MF
7002KWH	12" (23") White	7017KWH	30" (59") White
7002KBK	12" (23") Black	7017KBK	30" (59") Black
7002KMB	12" (23") Bronze	7017KMB	30" (59") Bronze
7003K	18" (35") MF	7018K	36" (71") MF
7003KWH	18" (35") White	7018KWH	36" (71") White
7003KBK	18" (35") Black	7018KBK	36" (71") Black
7003KMB	18" (35") Bronze	7018KMB	36" (71") Bronze
7004K	24" (47") MF		
7004KWH	24" (47") White		
7004KBK (FL/TX)	24" (47") Black		
7004KMB	24" (47") Bronze		



Copyright 2007-2020 Eastern Metal Supply, Inc.
HV™, BERTHA HV®, BERTHA® are all trademarks of Eastern Metal Supply, Inc.
ASSA® is a trademark of the American Shutter Systems Association. All rights reserved.



EASTERN METAL SUPPLY
FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061

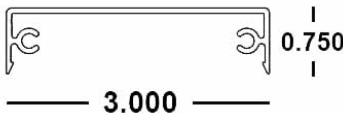
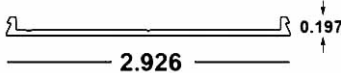
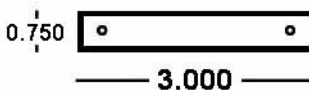
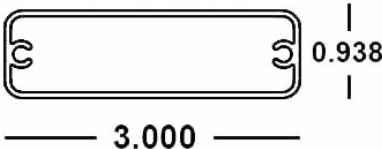
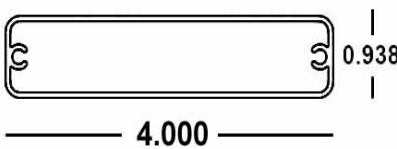
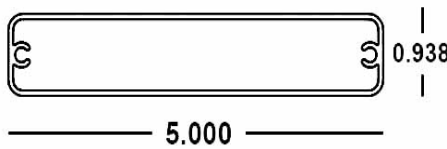
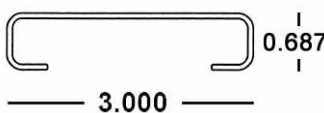
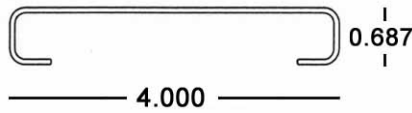
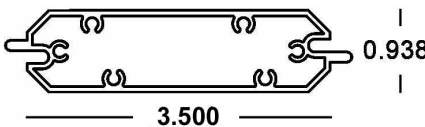
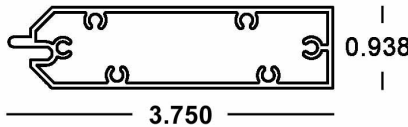
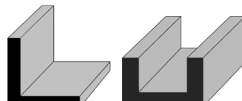
HURRICANE 42
11/19/19

www.easternmetal.com



HV™ BOARD & BATTEN COLONIAL SYSTEM

Code Approvals: FBC (non-HVHZ)

HV™ Board & Batten Snap Channel x 12' 40-63-721 6063 T6 M/F 	HV™ Board & Batten Snap Cap x 12' 40-63-720 6063 T6 M/F 	HV™ Board & Batten End Cap - Flat Bar 40-63-726 3/4 x 3 x .062' (with holes) - 6063 T52 M/F 		
HV™ Board & Batten 3" Radius Tube x 24' 40-63-722 6063 T6 M/F 	HV™ Board & Batten 4" Radius Tube x 24' 40-63-724 6063 T6 M/F 	HV™ Board & Batten 5" Radius Tube x 24' 40-63-723 6063 T6 M/F 		
	3" Decorative Slat x 24' Board & Batten 8736-001 (TX) Mill Finish  Non-Rated	4" Decorative Slat x 24' Board & Batten 8736-002 (TX) Mill Finish  Non-Rated		
	3.5" Tongue & Groove Slat x 24' 40-63-727 6063 T6 M/F  Non-Rated	Tongue & Groove End Slat x 24' 40-63-728 6063 T6 M/F  Non-Rated		
2" Concrete Hinge 41-63-847 1pc 6063 T6 M/F 	2" Wood Hinge 41-63-848 1pc 6063 T6 M/F 	2" Flat Hinge 41-63-846 (4 Holes) 41-63-849 (5.99 x 2 Holes) 1pc 6063 T6 M/F 	2" Bi-Fold Hinge 41-63-844 1pc 6063 T6 M/F 	Board Cover Cap - Architectural Angle x 20' 11-63-220 1 x 1 x 1/16 End Cap - Architectural Channel x 20' 13-63-230 1-1/4 x 1-1/4 x 1/8 

BERTHA™ IMPACT RATED EXTRUDED BAHAMA/COLONIAL SYSTEM

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

Colonial/Bahama Blade x 12'6"

41-63-799N M/F (Non-Vented)
41-63-800N M/F (Vented)
Both mate with 41-1/2-799N
6 pcs



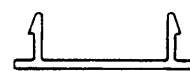
Colonial/Bahama Top Half Blade x 12'6"

41-1/2-799N
Mill Finish *Mates with 41-63-799N and 41-63-800N*



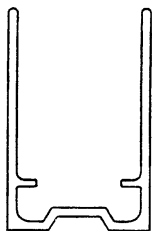
Bahama Snap Cap x 20'

41-63-808 Mill Finish 20 pcs



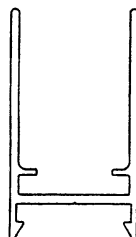
Colonial Frame x 20'

41-63-802 Mill Finish
6 pcs



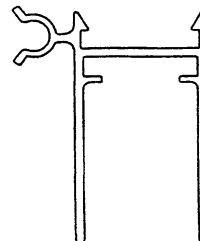
Colonial/Bahama Frame x 20'

41-63-806 Mill Finish
8 pcs



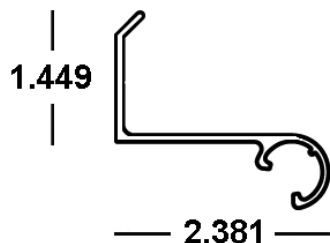
Hinged Bahama Top Frame x 20'

41-63-807 Mill Finish
4 pcs



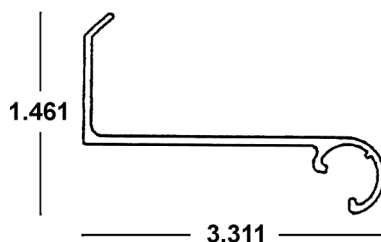
Female Bahama Hinge x 20'

41-63-803 Mill Finish



3.311 Female Bahama Hinge x 20'

41-63-804 Mill Finish



HV™ Bahama Telescoping Arm Kit

Kit includes 2 Tubes, Slip Collar, Camel Back, Cap and U-Clip.
(Approximate Max Extended Length shown in parenthesis)

Code	Arm Size (Extended) Finish
7002K	12" (23") MF
7002KWH	12" (23") White
7002KBK	12" (23") Black
7002KMB	12" (23") Bronze
7003K	18" (35") MF
7003KWH	18" (35") White
7003KBK	18" (35") Black
7003KMB	18" (35") Bronze
7004K	24" (47") MF
7004KWH	24" (47") White
7004KBK (FLTX)	24" (47") Black
7004KMB	24" (47") Bronze

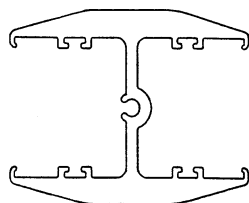
7017K	30" (59") MF
7017KWH	30" (59") White
7017KBK	30" (59") Black
7017KMB	30" (59") Bronze

7018K	36" (71") MF
7018KWH	36" (71") White
7018KBK	36" (71") Black
7018KMB	36" (71") Bronze



Standard Center Mullion x 20'

41-63-809 Mill Finish
3 pcs

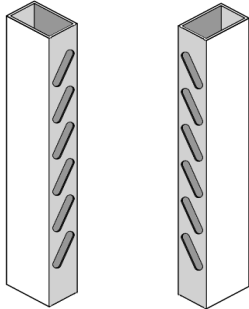


Copyright 2007-2020 Eastern Metal Supply, Inc. HV™, BERTHA HV®, BERTHA® are all trademarks of Eastern Metal Supply, Inc. ASSAB is a trademark of the American Shutter Systems Association. All rights reserved.

BRICKHOUSE LOW PROFILE BAHAMA/COLONIAL SYSTEM

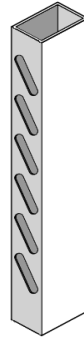
1.46 x 2.25 Brickhouse Low Profile Side Rail x 20'

Mill Finish
20-63-805L (TX) Left Side Punched
20-63-805R (TX) Right Side Punched
Left Side Right Side



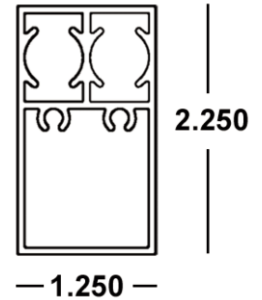
1.46 x 2.25 Brickhouse Low Profile Center Mullion x 20'

20-63-805M (TX) Mill Finish
Both Sides Punched



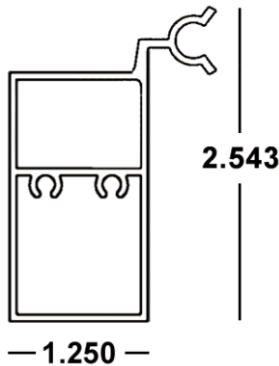
Brickhouse Low Profile Top/Bottom Rail

41-63-839 (TX) x 20' Mill Finish
41-63-832 x 20' 3" Mill Finish



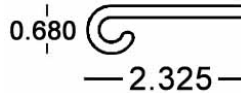
Brickhouse Low Profile Bahama Top Rail w/Hinge x 20'

41-63-849 (TX) Mill Finish



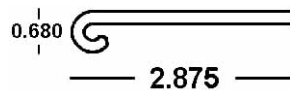
Brickhouse Low Profile Colonial Flat Hinge x 12'

41-63-824 (TX) Mill Finish
For Bi-Fold Application



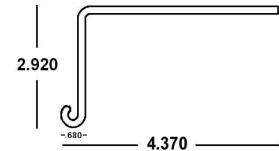
Colonial Flat Hinge x 12'

41-63-824N Shutter to House Mount
Mill Finish
Mates with 41-63-813, 41-63-824N



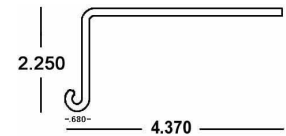
Colonial Double Hinge x 12'

Mill Finish 4 pcs; Wall Mount
41-63-813 Mates with 41-63-824N



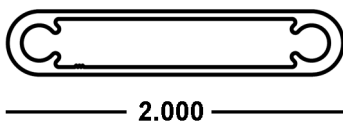
2.25 Colonial Double Hinge x 12'

Mill Finish 4 pcs; Wall Mount
52-61-4146 Mates with 41-63-824N



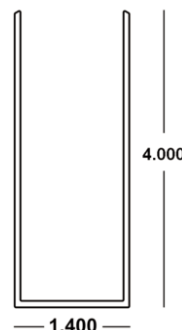
Brickhouse Low Profile Blade x 16'

80-MF-013 Mill Finish



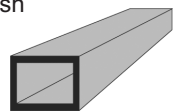
Brickhouse Low Profile 4" New Orleans Style Center Mullion x 21'

MILL ORDER 41-63-863
For Non-Impact Decorative
Applications Only



Brickhouse Low Profile Colonial Storm Bar x 24'

1 x 2 x 1/8 Rect Bar x 24'
20-63-225 Mill Finish
20-WH-231 White
20-MB-231 Bronze
20-IV-231 Ivory
20-BG-231 Beige



HV™ Colonial Storm Bar Clip

1pc/Shutter Mount
41-63-840 Mill Finish
41-63-840WH White
41-63-840BK Black
41-63-840MB Bronze



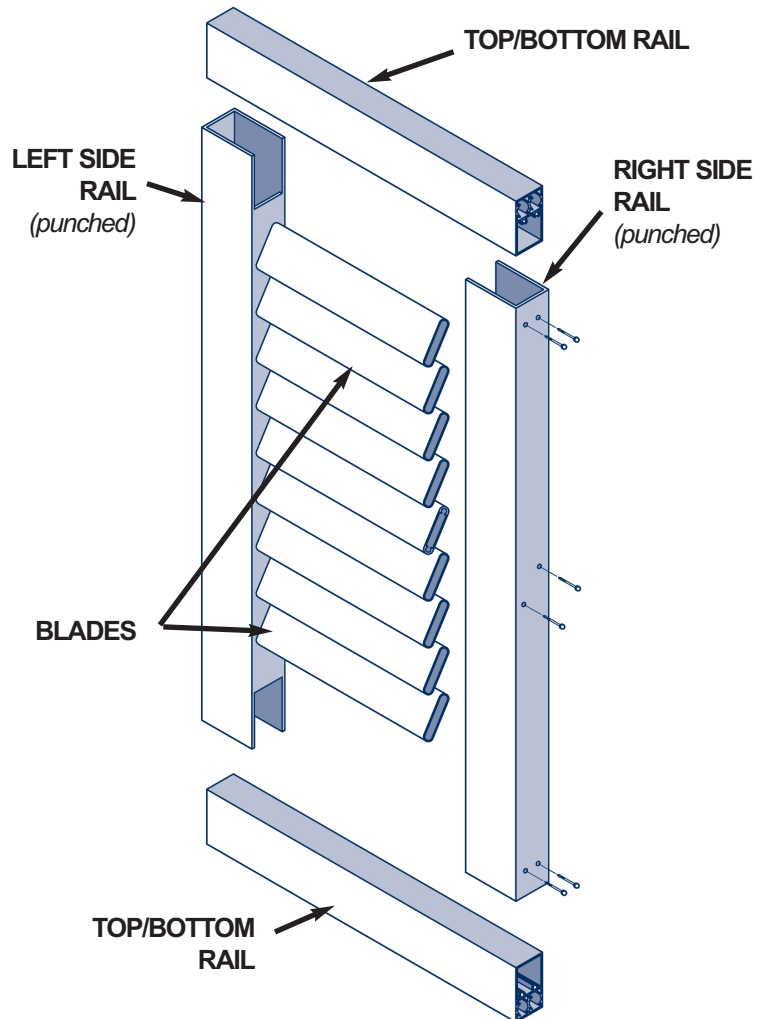
BRICKHOUSE LOW PROFILE BAHAMA/COLONIAL SYSTEM

FEATURES & BENEFITS:

- Colonial application tested to ASTM E 330, E 1886 & E 1996 Protocols and passed the Large Missile Impact Test as well as +/- 60 psf for both the Design and Static Load Testing.
- Colonial application meets or exceeds standards for TDI (engineered drawings available).
- Offers the appearance of a more decorative, thin-lined traditional shutter.
- Increase LEED Rating of your "Green" Project
- Cost effective for commercial applications
- New pre-fabbed side rails & mullions eliminate need to mechanically fasten the blades, resulting in labor reduction of over 50% compared to traditional Colonial shutter assemblies
- Easy & Fast mechanical frame fastening assembly resulting in a functional product
- Provided in mill finish to allow the fabricator the flexibility to match colors to the building design after assembly
- Upscale look providing a durable product for years to come with little maintenance

Colonial Schematic

(Bahama not shown)



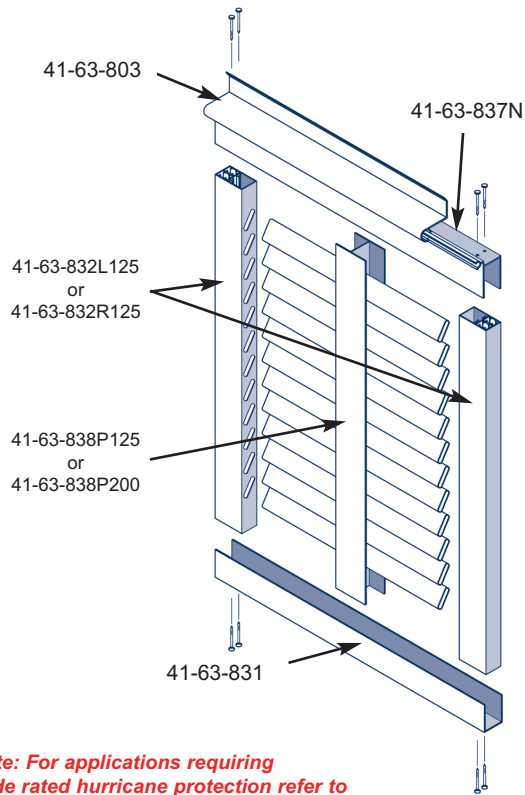
Brickhouse Low Profile Bahama Colonial coverage chart - Additional heights available upon request.

visible blades	finished height"	visible blades	finished height"	visible blades	finished height"	visible blades	finished height"	visible blades	finished height"
9	21 1/2	20	40 1/8	31	58 11/16	42	77 5/16	53	95 15/16
10	23 3/16	21	41 13/16	32	60 3/8	43	79	54	97 5/8
11	24 7/8	22	43 1/2	33	62 1/8	44	80 11/16	55	99 19/64
12	26 9/16	23	45 3/16	34	63 13/16	45	82 3/8	56	100
13	28 1/4	24	46 7/8	35	65 1/2	46	84 1/16	57	102 11/16
14	29 15/16	25	48 9/16	36	67 3/16	47	85 3/4	58	104 3/8
15	31 5/8	26	50 1/4	37	68 7/8	48	87 7/16	59	106 1/16
16	33 3/8	27	51 15/16	38	70 9/16	49	89 1/8	60	107 3/4
17	35 1/16	28	53 5/8	39	72 1/4	50	90 13/16	61	109 7/16
18	36 3/4	29	55 5/16	40	73 15/16	51	92 9/16		
19	38 7/16	30	57	41	75 5/8	52	94 1/4		

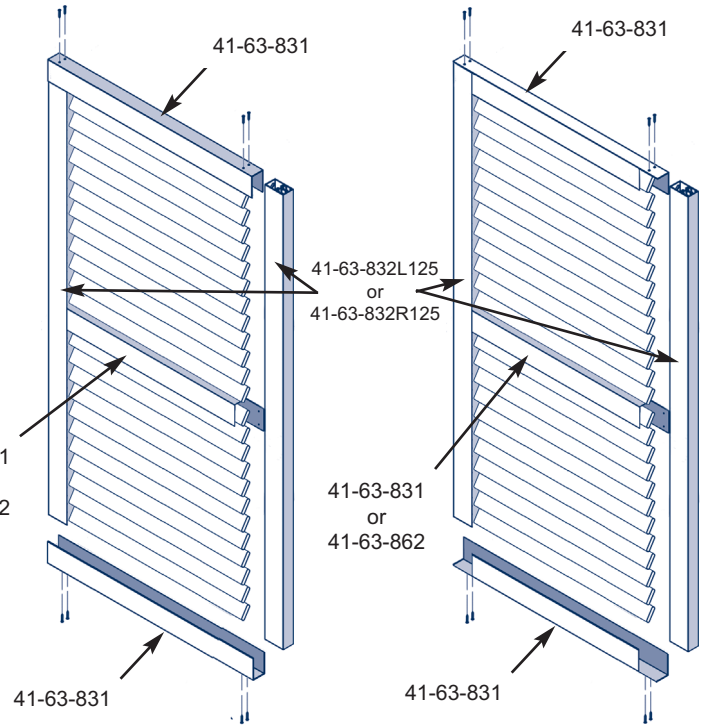
HV LOW PROFILE DECORATIVE BAHAMA/COLONIAL SYSTEMS*

*Currently available for decorative applications

HV Low Profile Bahama Schematic (Exterior View)

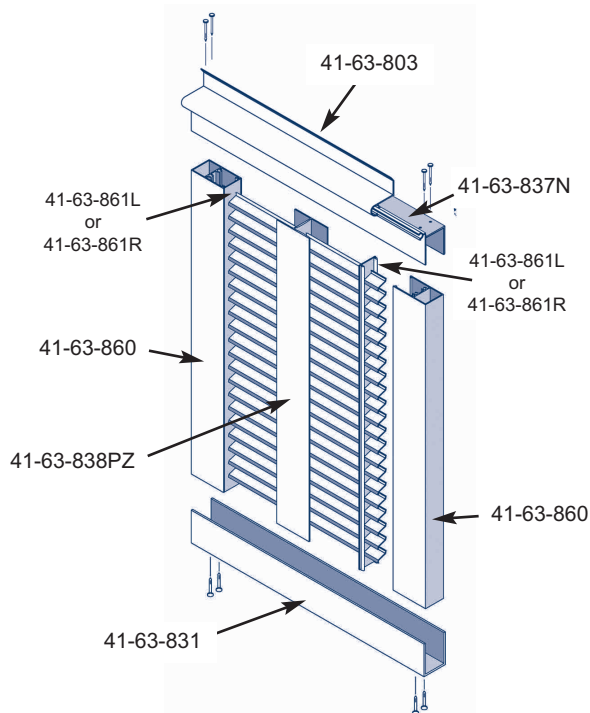


Note: For applications requiring code rated hurricane protection refer to EMS High Visibility Bahama/Colonial product.

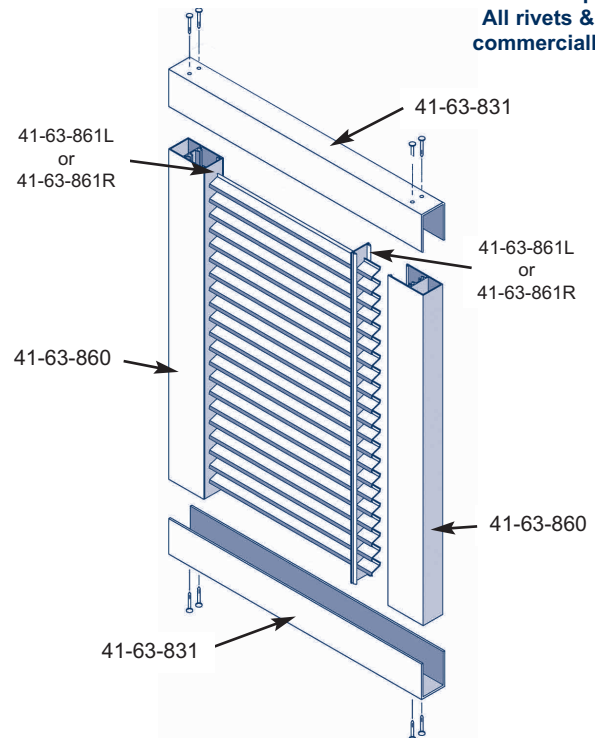


HV Low Profile Colonial Schematics (Exterior Views)

HV Low Profile Z-Blade System Schematic



Decorative Bahama Application (Exterior View)

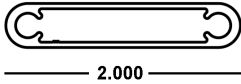
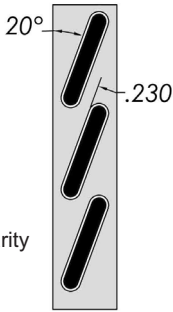
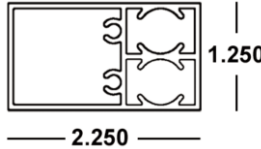
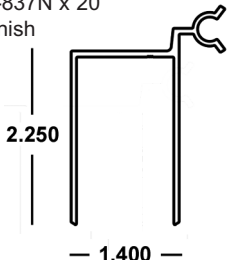
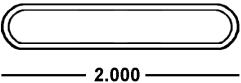
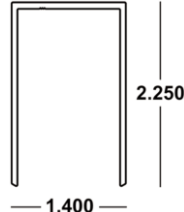
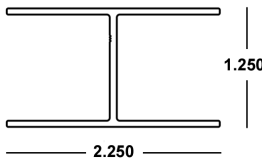
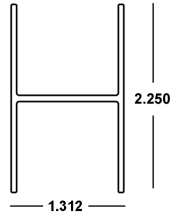
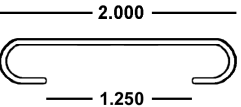
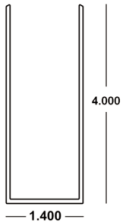
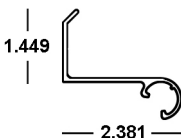
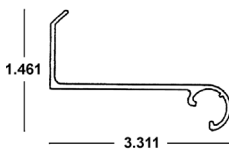
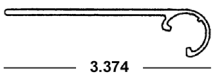


Decorative Colonial Application (Exterior View)

Decorative Engineering available upon request.
All rivets & screws are commercially available.

2" LOW PROFILE DECORATIVE BAHAMA/COLONIAL SYSTEM*

*Currently available for decorative applications

2" Bahama/Colonial Hollow Blade x 16' 80-MF-013 Mill Finish Uses #14 screw 	 Low Profile 2" Blade Typical Angularity & Spacing	Low Profile Side Frame x 20' 3" 41-63-832 UNPUNCHED 41-63-832L200 PUNCHED Left* 41-63-832R200 PUNCHED Right* Mill Finish *Punched for 2" Blades 	LOW PROFILE MALE BAHAMA FRAME HINGE 41-63-837N x 20' Mill Finish 	
2" Bahama Decorative Blade x 16' (Non-Impact) 41-63-830 Mill Finish 	Low Profile Horizontal Frame x 21' 41-63-831 Mill Finish <i>Can be used as Bottom Frame & Center Mullion; Colonial Top Frame</i> 	Low Profile Bahama Vertical Center Mullion x 20' 3" 41-63-838 UNPUNCHED 41-63-838P200 PUNCHED* Mill Finish *Punched for 2" Blades 	Low Profile Colonial Horizontal Rail x 16' 2" Mill Finish 41-63-862 <i>Horizontal Rail for Colonials</i> 	
2" Colonial Decorative Blade x 16' (Non-Impact) 41-63-835 Mill Finish 	Alternate New Orleans Style 4" Bottom Rail Colonial Applications MILL ORDER <u>41-63-863</u> 	BAHAMA FEMALE HINGE x 20' 41-63-803 Mill Finish 6 pcs 	1" BUILD-OUT BAHAMA FEMALE HINGE x 20' 41-63-804 Mill Finish 6 pcs 	BAHAMA FEMALE FLAT HINGE x 20' 41-63-805 Mill Finish 6 pcs 

2" Low Profile Bahama Colonial coverage chart

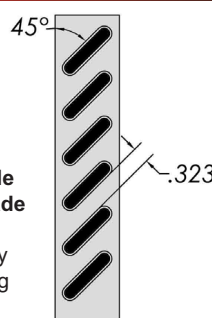
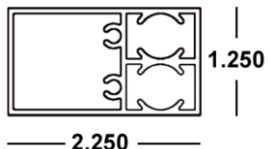
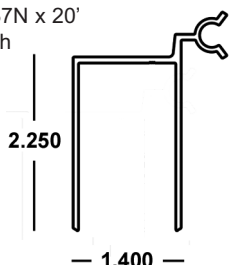
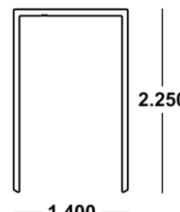
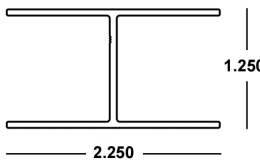
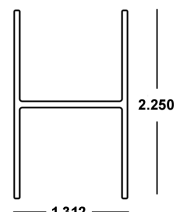
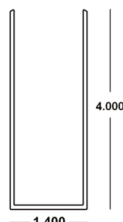
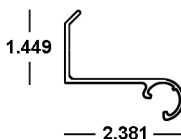
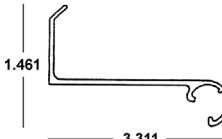
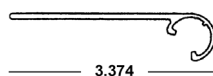
Additional heights available upon request. Blades continue inside top & bottom channel.

For Hinges & Components
see Hurricane pp 53-54

visible blades	total blades	finished height"	visible blades	total blades	finished height"	visible blades	total blades	finished height"	visible blades	total blades	finished height"
4	6	11-3/4	17	19	35-1/4	30	32	58-13/16	43	45	82-5/16
5	7	13-9/16	18	20	37-1/16	31	33	60-5/8	44	46	84-1/8
6	8	15-3/8	19	21	38-7/8	32	34	62-7/16	45	47	85-15/16
7	9	17-3/16	20	22	40-11/16	33	35	64-1/4	46	48	87-3/4
8	10	19	21	23	42-1/2	34	36	66-1/16	47	49	89-9/16
9	11	20-13/16	22	24	44-5/16	35	37	67-7/8	48	50	91-3/8
10	12	22-5/8	23	25	46-1/8	36	38	69-11/16	49	51	93-3/16
11	13	24-7/16	24	26	47-15/16	37	39	71-1/2	50	52	95
12	14	26-1/4	25	27	49-3/4	38	40	73-1/4	51	53	96-13/16
13	15	28	26	28	51-9/16	39	41	75-1/16	52	54	98-5/8
14	16	29-13/16	27	29	53-3/8	40	42	76-7/8			
15	17	31-5/8	28	30	55-3/16	41	43	78-11/16			
16	18	33-7/16	29	31	57	42	44	80-1/2			

1-1/4" HV LOW PROFILE DECORATIVE BAHAMA/COLONIAL SYSTEM*

*Currently available for decorative applications

1-1/4" HV LOW PROFILE BLADE x 12' 41-63-834 Mill Finish 	45° Low Profile 1-1/4" Blade Typical Angularity & Spacing 	HV LOW PROFILE SIDE FRAME x 20' 3" 41-63-832 UNPUNCHED 41-63-832L125 PUNCHED Left* 41-63-832R125 PUNCHED Right* Mill Finish *Punched for 1-1/4" Blades 	HV LOW PROFILE MALE BAHAMA HINGE 41-63-837N x 20' Mill Finish 
Low Profile Horizontal Frame x 21' 41-63-831 Mill Finish <i>Can be used as Bottom Frame & Center Mullion; Colonial Top Frame</i> 	HV LOW PROFILE BAHAMA VERTICAL CENTER MULLION x 20' 3" 41-63-838 UNPUNCHED 41-63-838P125 PUNCHED* Mill Finish *Punched for 1-1/4" Blades 	HV LOW PROFILE COLONIAL HORIZONTAL RAIL x 16' 2" 41-63-862 Mill Finish <i>Horizontal Rail for Colonials</i> 	
Alternate New Orleans Style 4" Bottom Rail Colonial Applications MILL ORDER 41-63-863 	BAHAMA FEMALE HINGE x 20' 41-63-803 Mill Finish 6 pcs 	1" BUILD-OUT BAHAMA FEMALE HINGE x 20' 41-63-804 Mill Finish 6 pcs 	BAHAMA FEMALE FLAT HINGE x 20' 41-63-805 Mill Finish 6 pcs 

1-1/4" Low Profile Bahama Colonial coverage chart

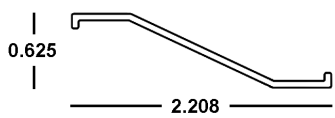
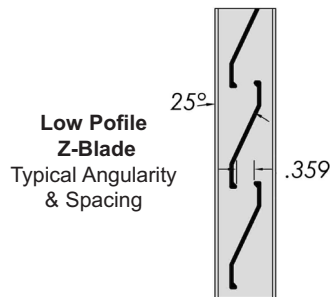
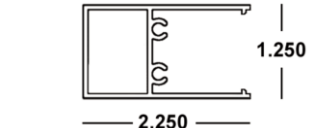
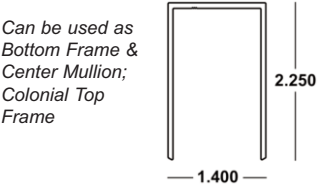
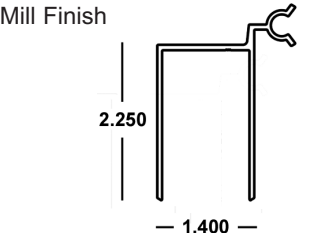
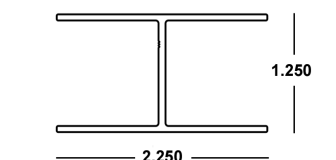
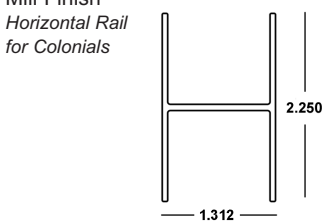
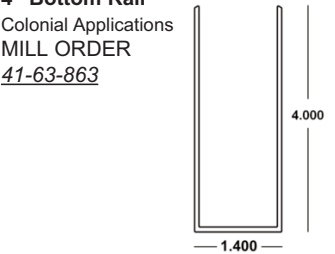
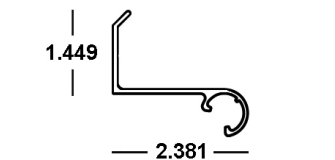
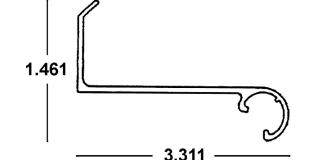
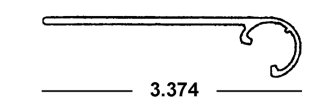
Additional heights available upon request. Blades continue inside top & bottom channel.

For Hinges & Components
see Hurricane pp 53-54

visible blades	total blades	finished height"	visible blades	total blades	finished height"	visible blades	total blades	finished height"	visible blades	total blades	finished height"
18	22	20-3/8	30	34	30-15/16	42	46	41-9/16	54	58	52-1/8
19	23	21-1/4	31	35	31-13/16	43	47	42-7/16	55	59	53
20	24	22-1/8	32	36	32-3/4	44	48	43-5/16	56	60	53-7/8
21	25	23	33	37	33-5/8	45	49	44-3/16	57	61	54-3/4
22	26	23-7/8	34	38	34-1/2	46	50	45-1/16	58	62	55-5/8
23	27	24-13/16	35	39	35-3/8	47	51	45-15/16	59	63	56-9/16
24	28	25-11/16	36	40	36-1/4	48	52	46-13/16	60	64	57-7/16
25	29	26-9/16	37	41	37-1/8	49	53	47-11/16	61	65	58-5/16
26	30	27-7/16	38	42	38	50	54	48-5/8	62	66	59-3/16
27	31	28-5/16	39	43	38-7/8	51	55	49-1/2	63	67	60-1/16
28	32	29-3/16	40	44	39-3/4	52	56	50-3/8			
29	33	30-1/16	41	45	40-11/16	53	57	51-1/4			

HV LOW PROFILE DECORATIVE BAHAMA/COLONIAL Z-BLADE SYSTEM*

*Currently available for decorative applications

HV LOW PROFILE Z-BLADE x 12' 2" 52-63-060 Mill Finish for Z-Blade System 	Low Profile Z-Blade Typical Angularity & Spacing 	HV LOW PROFILE VERTICAL FRAME WITH SNAP x 16' 2" 41-63-860 Mill Finish Mates with 41-63-861R/L for Z-Blade System 	HV LOW PROFILE Z - SNAP PLATE x 16' 2" Mill Finish Mates with 41-63-860 41-63-861R PUNCHED* Right 41-63-861L PUNCHED* Left *Punched to accept Z-Blade 
HV LOW PROFILE HORIZONTAL FRAME x 21' 41-63-831 Mill Finish Can be used as Bottom Frame & Center Mullion; Colonial Top Frame 	HV LOW PROFILE MALE BAHAMA HINGE x 20' 41-63-837N Mill Finish 	HV LOW PROFILE BAHAMA VERTICAL CENTER MULLION x 20' 3" 41-63-838 UNPUNCHED 41-63-838PZ PUNCHED* Mill Finish *Punched to accept Z-Blade 	HV LOW PROFILE COLONIAL HORIZONTAL RAIL x 16' 2" 41-63-862 Mill Finish Horizontal Rail for Colonials 
Alternate New Orleans Style 4" Bottom Rail Colonial Applications MILL ORDER 41-63-863 	BAHAMA FEMALE HINGE x 20' 41-63-803 Mill Finish 6 pcs 	1" BUILD-OUT BAHAMA FEMALE HINGE x 20' 41-63-804 Mill Finish 6 pcs 	BAHAMA FEMALE FLAT HINGE x 20' 41-63-805 Mill Finish 6 pcs 

Low Profile Bahama Colonial Z-BLADE coverage chart

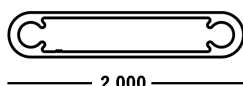
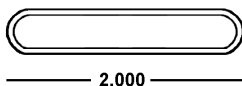
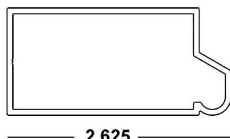
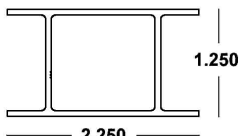
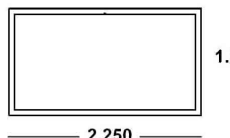
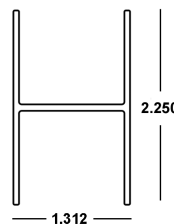
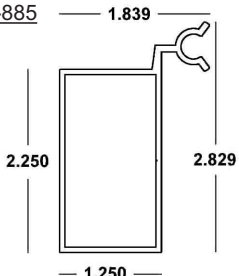
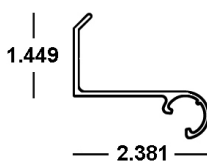
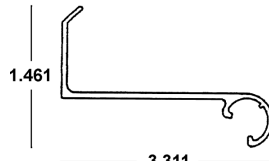
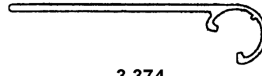
Additional heights available upon request. Blades continue inside top & bottom channel.

For Hinges & Components see Hurricane pp 53-54

visible blades	total blades	finished height"	visible blades	total blades	finished height"	visible blades	total blades	finished height"	visible blades	total blades	finished height"
11	13	27-7/16	26	28	58-11/16	41	43	89-7/8	56	58	121-1/8
12	14	29-1/2	27	29	60-3/4	42	44	92	57	59	123-1/4
13	15	31-9/16	28	30	62-3/16	43	45	94-5/8	58	60	125-3/8
14	16	33-11/16	29	31	64-15/16	44	46	96-1/8	59	61	127-3/8
15	17	35-3/4	30	32	67	45	47	98-1/4	60	62	129-1/2
16	18	37-3/16	31	33	69-1/16	46	48	100-5/16	61	63	131-5/8
17	19	39-15/16	32	34	71-1/8	47	49	102-3/8	62	64	133-5/8
18	20	42	33	35	73-1/4	48	50	104-1/2	63	65	135-3/4
19	21	44-1/16	34	36	75-5/16	49	51	106-5/8	64	66	137-3/4
20	22	46-3/16	35	37	77-3/8	50	52	108-5/8	65	67	139-7/8
21	23	48-1/4	36	38	79-1/2	51	53	110-3/4	66	68	142
22	24	50-5/16	37	39	81-9/16	52	54	112-7/8	67	69	144
23	25	52-7/16	38	40	83-5/8	53	55	114-7/8			
24	26	54-1/2	39	41	85-3/4	54	56	117			
25	27	56-9/16	40	42	87-13/16	55	57	119-1/8			

HV LOW PROFILE DECORATIVE BAHAMA/COLONIAL WELDED SYSTEM*

*Currently available for decorative applications

2" Bahama/Colonial Hollow Blade x 16' Uses #14 screw Mill Finish 80-MF-013  2.000	2" Bahama Decorative Blade x 16' Non-Impact Mill Finish 41-63-830  2.000	1.25 HV Low Profile Blade x 12' 41-63-834 Mill Finish <i>*Special Mill Order Frame Required - Call your Sales Representative for Coverage Chart</i>  1.250	
Self Mating Colonial Inside Frame x 20' 3" Welded System 41-63-880 UNPUNCHED 41-63-880R PUNCHED Right 41-63-880L PUNCHED Left  2.625	Center Mullion x 12' Welded System 41-63-888 UNPUNCHED 41-63-888P PUNCHED  2.250	Side & Bottom Frame x 20' Welded System 41-63-883 UNPUNCHED 41-63-883R PUNCHED Right 41-63-883L PUNCHED Left <i>Can also be used as a top frame in Colonial applications</i>  2.250	HV LOW PROFILE COLONIAL HORIZONTAL RAIL x 16' 2" 41-63-862 Mill Finish <i>Horizontal Rail for Colonials</i>  2.250
Bahama Top Frame with Hinge x 20' Welded System 41-63-885 1.839  2.250 2.829 1.250	BAHAMA FEMALE HINGE x 20' 41-63-803 Mill Finish 6 pcs  1.449 2.381	1" BUILD-OUT BAHAMA FEMALE HINGE x 20' 41-63-804 Mill Finish 6 pcs  1.461 3.311	BAHAMA FEMALE FLAT HINGE x 20' 41-63-805 Mill Finish 6 pcs  3.374

WELDED Low Profile Bahama Colonial coverage chart

Additional heights available upon request. Blades continue inside top & bottom channel.

For Hinges & Components
see Hurricane pp 53-54

visible blades	total blades	finished height"	visible blades	total blades	finished height"	visible blades	total blades	finished height"
11		24-7/16	21		42-9/16	31		60-11/16
12		26-1/4	22		44-3/8	32		62-1/2
13		28-1/16	23		46-3/16	33		64-5/16
14		29-7/8	24		48	34		66-1/8
15		31-11/16	25		49-13/16	35		67-15/16
16		33-1/2	26		51-5/8	36		69-3/4
17		35-5/16	27		53-7/16	37		71-9/16
18		37-1/8	28		55-1/4	38		73-3/8
19		38-15/16	29		57-1/16	39		75-3/16
20		40-3/4	30		58-7/8	40		77

2" 3-WAVE BLADE DECORATIVE BAHAMA/COLONIAL SYSTEM*

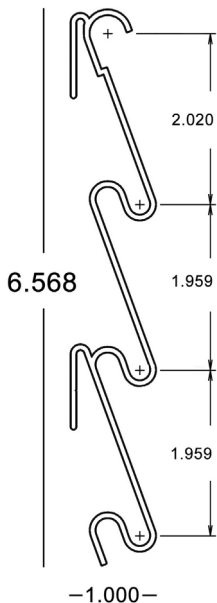
*Currently available for decorative applications

2" 3-Wave Blade x 12'

41-63-700

Self Mating

Mill Finish 6063-T6



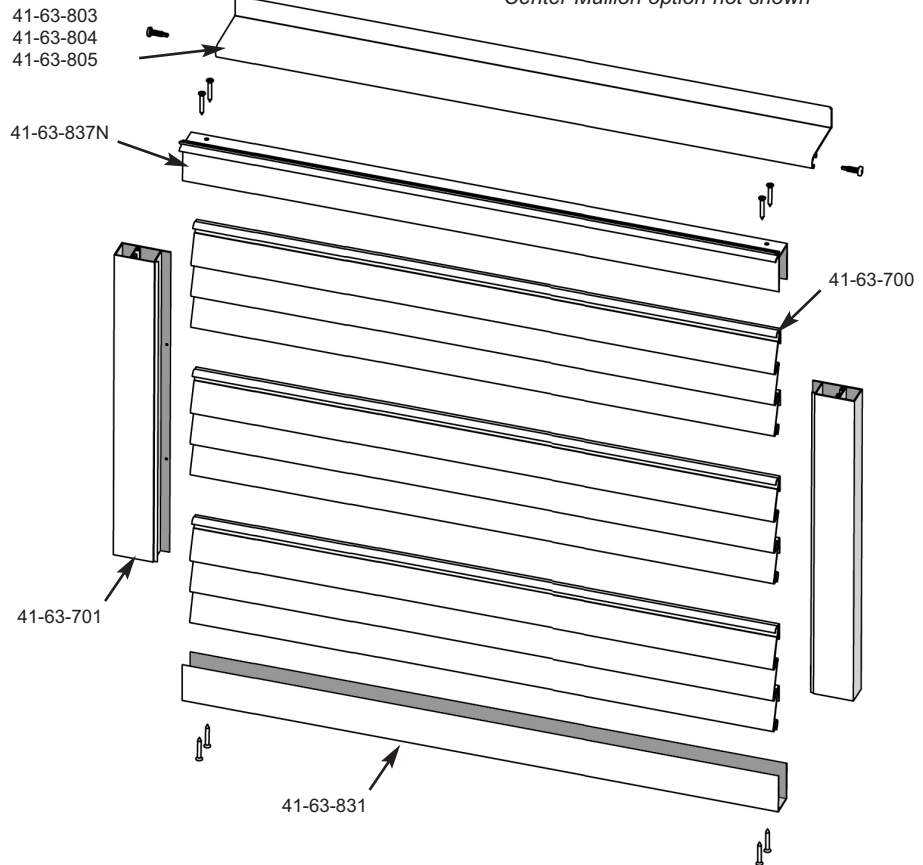
12-3/8"

2 Blades Interlocked Together



3-Wave Blade Decorative Bahama Schematic (Exterior View)

Center Mullion option not shown

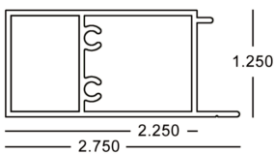


Side Rail with Lip x 20'

41-63-701

Mill Finish 6063-T6

Accepts 3-Wave Blade



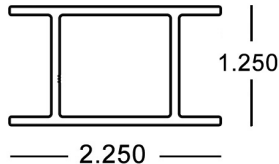
Center Mullion x 12'

41-63-888

Mill Finish

Accepts 3-Wave Blade

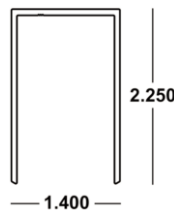
Center Mullion option not required in most applications.



Top & Bottom Rail x 21'

41-63-831

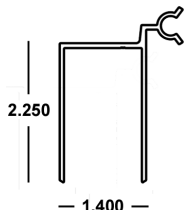
Mill Finish 6063-T6



HV LOW PROFILE MALE BAHAMA HINGE x 20'

41-63-837N

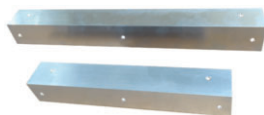
Mill Finish



Fixed Colonial Mounting Bracket

1.5 x 1.5 x .062 Angle
(Pre-Drilled 3/16" Holes)

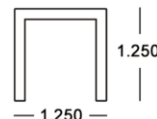
7053 x 10"
7055 x 14"



Radius Cover Cap

1-1/4" x 1-1/4" x 1/8"
Channel x 20'

13-63-230



Coverage Chart

Additional heights available upon request.

Blades continue inside top & bottom channel.

visible blades	finished height"	visible blades	finished height"
1	6-11/16	11	65-7/16
2	12-9/16	12	41-5/16
3	18-7/16	13	77-3/16
4	24-5/16	14	83-1/16
5	30-3/16	15	88-15/16
6	36-1/16	16	94-13/16
7	41-15/16	17	100-11/16
8	47-13/16	18	106-9/16
9	53-11/16	19	112-7/16
10	59-9/16	20	118-5/16

3-Wave Blade Samples

Powder Coated

WB-SAMPLE 12" x 24"

WBA-SAMPLE 12" x 24" Arched

For Hinges & Components
see Hurricane pp 53-54

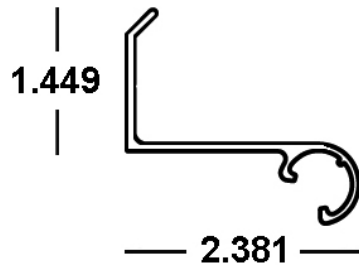
BAHAMA/COLONIAL HINGES

For additional Components see Hurricane p54 (next page)

Bahama Female Hinge x 20'

41-63-803

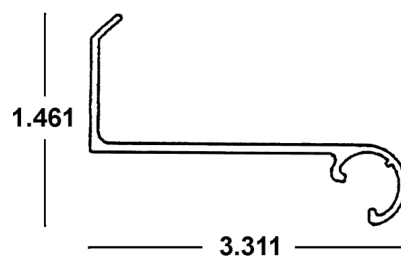
Mill Finish 6 pcs



1" Build-Out Bahama Female Hinge x 20'

41-63-804

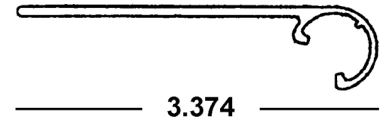
Mill Finish 6 pcs



Bahama Female Flat Hinge x 20'

41-63-805

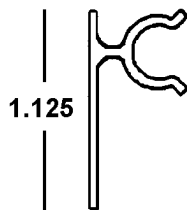
Mill Finish 6 pcs



Bahama Male Hinge x 20'

41-63-814

Mill Finish 16 pcs

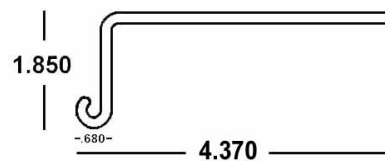


Colonial Single Hinge x 12'

41-63-816 Wall Mount

Mill Finish 6 pcs

Mates with 41-63-824N

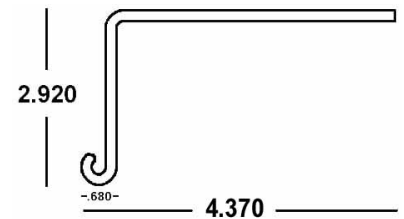


Colonial Double Hinge x 12'

41-63-813 Wall Mount

Mill Finish 4 pcs

Mates with 41-63-824N

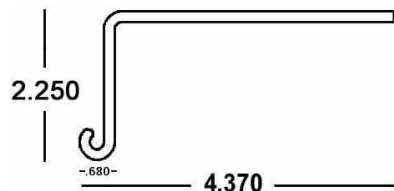


2.25 Colonial Double Hinge x 12'

52-61-4146 Wall Mount

Mill Finish 4 pcs

Mates with 41-63-824N

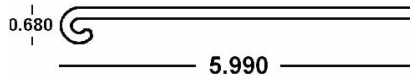


Colonial Flat Hinge x 12'

41-63-811 Wall Mount

Mill Finish 6 pcs

Mates with 41-63-824N

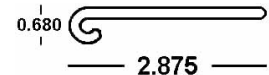


Colonial Flat Hinge x 12'

41-63-824N Shutter Mount

Mill Finish 6 pcs;

Mates with 41-63-816, 41-63-813, 41-63-811, 41-63-824N, 52-61-4146



BAHAMA/COLONIAL COMPONENTS

Used in a variety of Bahama/Colonial Systems

Piano Hinge x 6'

41-63-871

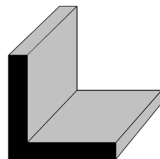
2" open width
.062" thick; 1/8" pin
Mill Finish; without holes
For use with
Decorative Colonials



Corner Key/Tie Down

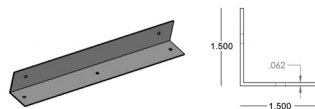
Mill Finish Angle
2 x 2 x 1/8 x 20'
11-63-315

2 x 2 x 3/16 x 20'
11-63-320



Fixed Low Pro Colonial Mounting Bracket

1.5 x 1.5 x .062 Angle
Pre-Drilled 3/16" Holes
7058 x 4"
7053 x 10"
7055 x 14"



Low Pro Hold Back Clip

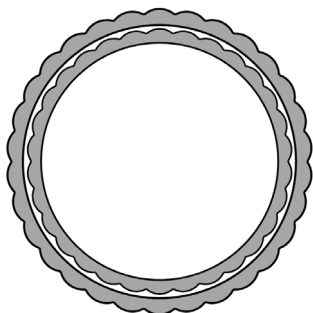
LP-HOLDBACK

(1 of each: LP-003 & LP-004)
Boxed in pairs of 100



Telescoping Serrated

Tube x 20' Mill Finish
52-63-537 .875" 26 pcs
51-63-381 1.000" 32 pcs



1" SLIP COLLAR WITH THUMB SCREW

Accepts 1" Serrated Tube for Telescoping Arms
7000 (FL/TX) Mill Finish x 9/16"
7000WH White x 9/16"
7000BK Black x 9/16"
7000MB Bronze x 9/16"
MILL ORDER ~~52-63-2484~~ MF x 20'
52-00-139 (TX) Mill Finish x 9/16" (No Thumbscrew)
41014 (TX) 1/4-20 x 3/4 Thumbscrew (mates with 52-00-139)
41021 (TX) 1/4-20 x 1 Thumbscrew (mates with 52-00-139)



CAMEL BACK CLIP WITH PIN

7001 Mill Finish
7001WH White
7001BK Black
7001MB Bronze



HV™ Bahama Telescoping Arm Kit

Kit includes 2 Tubes, Slip Collar, Camel Back, Cap and U-Clip.
(Approximate Max Extended Length shown in parenthesis)

Code	Arm Size (Extended) Finish
7002K	12" (23") MF
<u>7002KWH</u>	12" (23") White
<u>7002KBK</u>	12" (23") Black
<u>7002KMB</u>	12" (23") Bronze

7003K	18" (35") MF
<u>7003KWH</u>	18" (35") White
<u>7003KBK</u>	18" (35") Black
<u>7003KMB</u>	18" (35") Bronze

7004K	24" (47") MF
<u>7004KWH</u>	24" (47") White
<u>7004KBK</u> (FL/TX)	24" (47") Black
<u>7004KMB</u>	24" (47") Bronze

Code	Arm Size (Extended) Finish
<u>7017K</u>	30" (59") MF
<u>7017KWH</u>	30" (59") White
<u>7017KBK</u>	30" (59") Black
<u>7017KMB</u>	30" (59") Bronze

<u>7018K</u>	36" (71") MF
<u>7018KWH</u>	36" (71") White
<u>7018KBK</u>	36" (71") Black
<u>7018KMB</u>	36" (71") Bronze



Pre-Fabricated Hurricane Shutters



Pre-Fabricated Hurricane Protection Products

*Extrusions, components and systems listed in Hurricane section.
Please ask your Sales Representative for more information.*

Accordion Shutters

- HV™ Blade 1
- HV™ Combo (Blade 1 and 2)

Roll Shutters

- End Retention Systems: 40mm, 55mm, 63mm
- Roll Shutter Hood Manufacturing

Bahama & Colonial Shutters

- Code Approved: High Visibility™ HV™ Board & Batten
- Decorative: HV™ Low Profile (mechanical & welded)
- 3-Wave Blade Colonial
- Raised Panel Colonial (assembled only)
- Powder Coating available

Roll Formed Storm Panels

- .040 Aluminum (2-1/4" in Mill Finish)
- .050 Aluminum (2" & 2-1/4" in Mill Finish & White)
- Galvanized Steel (2" & 2-1/4" panels)
- Clear Polycarbonate (2" & 2-1/4" panels)



Fabricated Products: Raised Panel Decorative Colonial Shutter



Raised Panel Decorative Colonial

- Available in a variety of colors, widths and heights
- Only sold assembled

Options include:

- Raised Panel (raised panel top & bottom)
- Raised Panel Combination
(Raised Panel & 2" HV™ Low Profile Deco Slat)
- Flat Panel (not shown)
- Mounting Brackets
 - 1-1/2" x 1-1/2" x .062 Angle
 - 4" Bracket
 - 10" Bracket
 - 14" Bracket
- Samples Available
 - RP-Sample 12" x 24" Raised Panel
 - RPLP-Sample 12" x 24" Raised Panel Combo
- Engineering Available Upon Request

