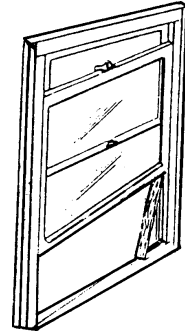


INTRODUCTION TO VINYL JAMBLINERS

DON'T REPLACE - REPAIR Your Old Wood Windows with NEW THERMALLY EFFICIENT RATTLE FREE JAMBLINERS!

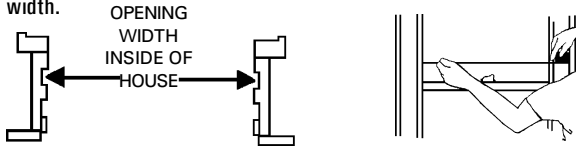
- Vinyl Jambliners can reduce air infiltration dramatically and increase the efficiency of wood windows by over 60%!
- They are an excellent option when your customers wood sash are in good shape but balances, pulleys and weatherstripping are not sufficient.
- We offer a stocking program of tilt and non tilt jambliners for 1-1/4" & 1-3/8" sash. And can provide custom sizes for most window shapes.
- We also provide a single hung and double hung custom made jambliners for 1-3/4" sash. These are used primarily for historical renovations.
- Please refer to our easy to use **Jambliner Chart on Page 57** to help you determine the jambliner most suited to your customers needs.
- We can also offer a number of options not shown in this catalog. Please contact your Account Manager for any special requests!



How to measure your existing window opening:

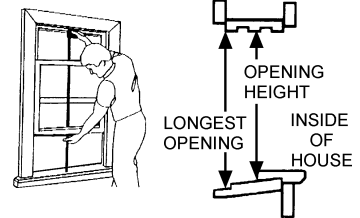
WIDTH

To find the width of the sash opening measure from inside jamb to inside jamb. This measurement should be approximately 4" wider than the glass width.



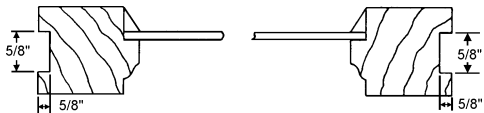
HEIGHT

To find the height of the opening, measure from the header to the sill at the inside edge of the parting bead. This measurement is normally about 6" greater than double the glass height. Also needed is the longest opening height.



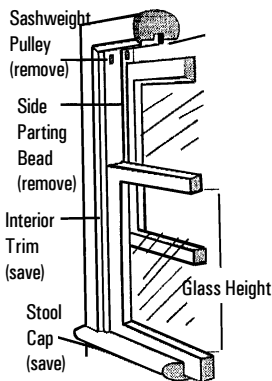
How to install Non Tilt Jambliners

1. In order to accept our 86A, 86B, 86C, 86D, Jambliners you must make a 5/8" wide x 5/8" deep square plough along both sides of the sash.

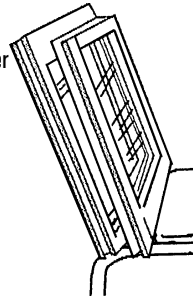


2. If you are replacing sash fitted with ropes or chains, it will be necessary to prepare your opening by: a. cut off ropes or chains b. remove sashweight pulleys (four) c. remove side parting beads; save the head parting bead as it will be reused.

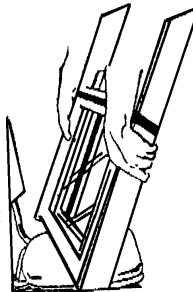
If you are only replacing defective or worn balances, you will need to remove all existing hardware and make room for your new sash/ balance system.



3. Set the lower and upper sash on a chair (per diagram) Note: sash are upside down with the interior (bare wood) towards the chair back.



4. Pick up balances with angle cut to top. Place balance with sash platforms resting on bottom of sash. Push sash down about 1-1/2" - 2" below top of balance and **HOLD FIRMLY**. Note: You may find an extra pair of hands helpful, or wrap tape around sash and balance to assist in handling.



5. Pick up balance with sash so that the interior is facing you. Place the bottom of balance into window frame until it butts outside stop then ease into position. Raise lower sash thus driving Speed Lok into header to secure the balance. Tops of jambliner are slightly aligned for easier installation.



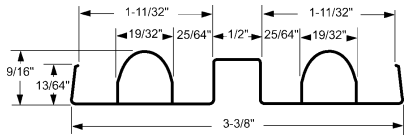
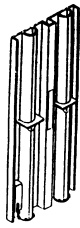
6. Check for proper fit, **TEST OPERATION** then replace stops, head parting bead and remainder of the interior trim.

NON TILT JAMBLINERS

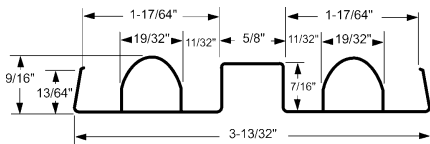
See installation instructions on page 56

For Single Strength Glass

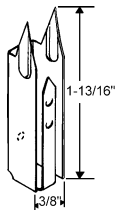
86A Series for 1-3/8" Sash 86B Series for 1-1/4" Sash



Series 86A



Series 86B



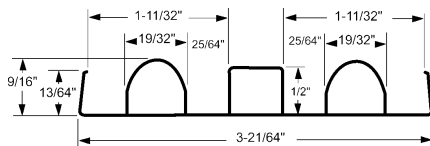
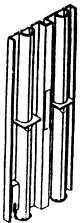
Jambliner Sash Stop
86-701BG
Beige Metal

Glass Size	Opening Height	1-3/8" Part #	1-1/4" Part #	Maximum Sash Weight	Length to Longest Point
12"	2-6 - 30"	86A-30	86B-30	7.8 lbs.	30-3/16"
14"	2-10 - 34"	86A-34	86B-34	8.5 lbs.	34-3/16"
16"	3-2 - 38"	86A-38	86B-38	9.2 lbs.	38-3/16"
18"	3-6 - 42"	86A-42	86B-42	9.9 lbs.	42-3/16"
20"	3-10 - 46"	86A-46	86B-46	10.6 lbs.	46-3/16"
22"	4-2 - 50"	86A-50	86B-50	11.3 lbs.	50-3/16"
24"	4-6 - 54"	86A-54	86B-54	12.0 lbs.	54-3/16"
26"	4-10 - 58"	86A-58	86B-58	12.7 lbs.	58-3/16"
28"	5-2 - 62"	86A-62	86B-62	13.4 lbs.	62-3/16"
30"	5-6 - 66"	86A-66	86B-66	14.1 lbs.	66-3/16"
32"	5-10 - 70"	86A-70	86B-70	14.8 lbs.	70-3/16"
34"	6-2 - 74"	86A-74	86B-74	15.5 lbs.	74-3/16"
36"	6-6 - 78"	86A-78	86B-78	16.2 lbs.	78-3/16"

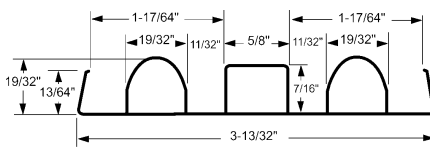
Full cartons contains 20 sets per box
Only available in beige color • 14° standard sill angle
Please contact your Account Manager for special sizes or cottage, carriage & oriel windows. Refer to chart on page 57

For Insulated or Double Strength Glass

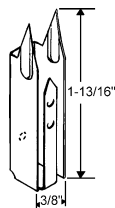
86C Series for 1-3/8" Sash 86D Series for 1-1/4" Sash



Series 86C



Series 86D



Jambliner Sash Stop
86-701BG
Beige Metal

Glass Size	Opening Height	1-3/8" Part #	1-1/4" Part #	Maximum Sash Weight	Length to Longest Point
12"	2-6 - 30"	86C-30	86D-30	11.0 lbs.	30-3/16"
14"	2-10 - 34"	86C-34	86D-34	12.3 lbs.	34-3/16"
16"	3-2 - 38"	86C-38	86D-38	13.5 lbs.	38-3/16"
18"	3-6 - 42"	86C-42	86D-42	14.8 lbs.	42-3/16"
20"	3-10 - 46"	86C-46	86D-46	16.0 lbs.	46-3/16"
22"	4-2 - 50"	86C-50	86D-50	17.3 lbs.	50-3/16"
24"	4-6 - 54"	86C-54	86D-54	18.5 lbs.	54-3/16"
26"	4-10 - 58"	86C-58	86D-58	19.9 lbs.	58-3/16"
28"	5-2 - 62"	86C-62	86D-62	21.0 lbs.	62-3/16"
30"	5-6 - 66"	86C-66	86D-66	22.2 lbs.	66-3/16"
32"	5-10 - 70"	86C-70	86D-70	23.5 lbs.	70-3/16"
34"	6-2 - 74"	86C-74	86D-74	24.7 lbs.	74-3/16"
36"	6-6 - 78"	86C-78	86D-78	26.0 lbs.	78-3/16"

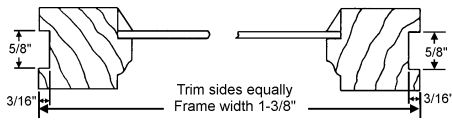
Full cartons contains 20 sets per box
Only available in beige color • 14° standard sill angle
Please contact your Account Manager for special sizes or cottage, carriage & oriel windows. Refer to chart on page 57

TILT JAMBLINERS

How to install Tilt Jambliners

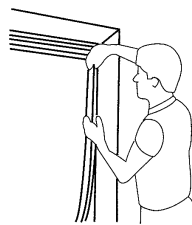
1. If you are converting a window from a Non Tilt to a Tilt window or if you are retrofitting a window that previously used pulleys or other balances - you must cut back the sash by 11/16" on each side, reducing the overall sash width by 1-3/8". (see figure 1)

figure 1

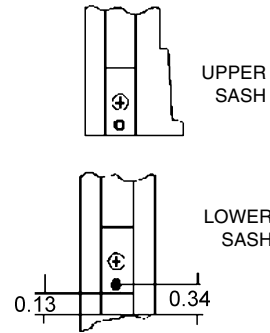


2. Make a 5/8" square x 3/16" deep plough on both sides of sash. (see figure 1)

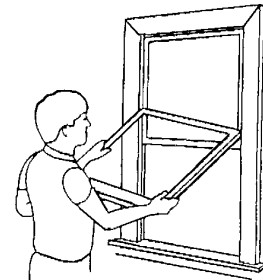
3. Apply jambliners to jambs, with bottom touching the sill and flange side touching the blind stop. Press jambliner and drive screws until head is flush with liner. Readjustment of screws may be necessary during STEP 5



4. Install sash brackets in upper and lower sash as shown below.



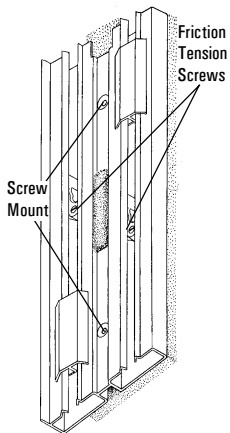
5. Insert upper sash into opening in full tilt position. Align pivot pins in the proper channel above carriers. Allow pins to drop into carriers. Pivot sash into place. Repeat for lower sash. Then reinstall the inside trim stops and head parting stop.



For Tilt Windows with either Single Strength or Insulated Glass

86E Series for 1-3/8" or 1-1/4" Sash

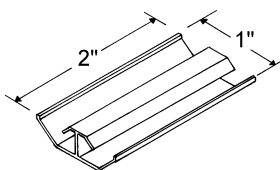
Screw Mount



Series 86E

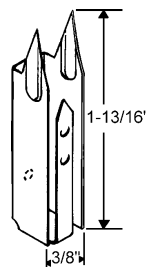
Glass Size	Opening Height	Height	Part#		Standard Sash Weight	Part#			Length to Longest Point
			Beige	White		Beige	White	Heavy Duty Sash Weight	
12"	2-6	30"	86E-30	86E-30W	11 lbs.	86E-30HD	86E-30WHD	15 lbs.	30-7/16"
14"	2-10	34"	86E-34	86E-34W	13 lbs.	86E-34HD	86E-34WHD	16 lbs.	34-7/16"
16"	3-2	38"	86E-38	86E-38W	14 lbs.	86E-38HD	86E-38WHD	18 lbs.	38-7/16"
18"	3-6	42"	86E-42	86E-42W	15 lbs.	86E-42HD	86E-42WHD	19 lbs.	42-7/16"
20"	3-10	46"	86E-46	86E-46W	16 lbs.	86E-46HD	86E-46WHD	21 lbs.	46-7/16"
22"	4-2	50"	86E-50	86E-50W	18 lbs.	86E-50HD	86E-50WHD	23 lbs.	50-7/16"
24"	4-6	54"	86E-54	86E-54W	19 lbs.	86E-54HD	86E-54WHD	25 lbs.	54-7/16"
26"	4-10	58"	86E-58	86E-58W	20 lbs.	86E-58HD	86E-58WHD	26 lbs.	58-7/16"
28"	5-2	62"	86E-62	86E-62W	22 lbs.	86E-62HD	86E-62WHD	28 lbs.	62-7/16"
30"	5-6	66"	86E-66	86E-66W	23 lbs.	86E-66HD	86E-66WHD	30 lbs.	66-7/16"
32"	5-10	70"	86E-70	86E-70W	24 lbs.	86E-70HD	86E-70WHD	32 lbs.	70-7/16"
34"	6-2	74"	86E-74	86E-74W	26 lbs.	86E-74HD	86E-74WHD	33 lbs.	74-7/16"

Jambliner Sash Stop



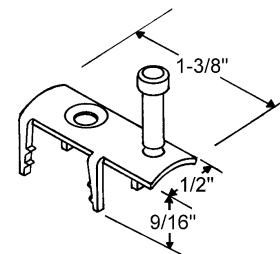
86E-700BG
Beige

Jambliner Sash Stop



86-701BG
Beige Metal

Jambliner Tilt Pivot



86E-600

Above items included in set

Full cartons contains 16 sets per box • Each set is individually wrapped with hardware enclosed
Stocked in beige color - White available - Special Order • 14° standard sill angle. Please contact your Account Manager for special sizes or cottage, carriage & oriel windows. Refer to chart on page 57

TILT JAMBLINERS WITH BLOCK & TACKLE BALANCES

7000 Series

Jambliners with block & tackle balances carry a higher weight range and provide smoother opening and closing compared to spring type balances. To determine which choice best suits your customers needs, you need to determine

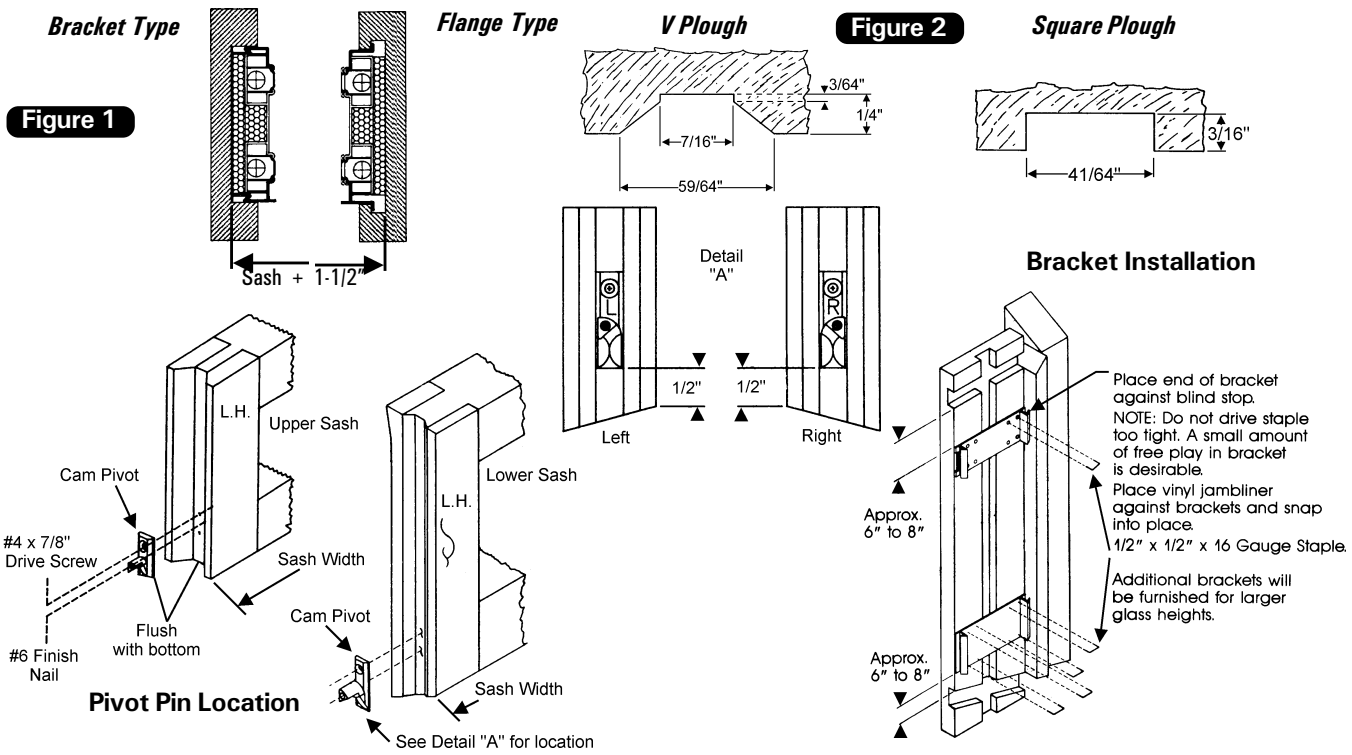
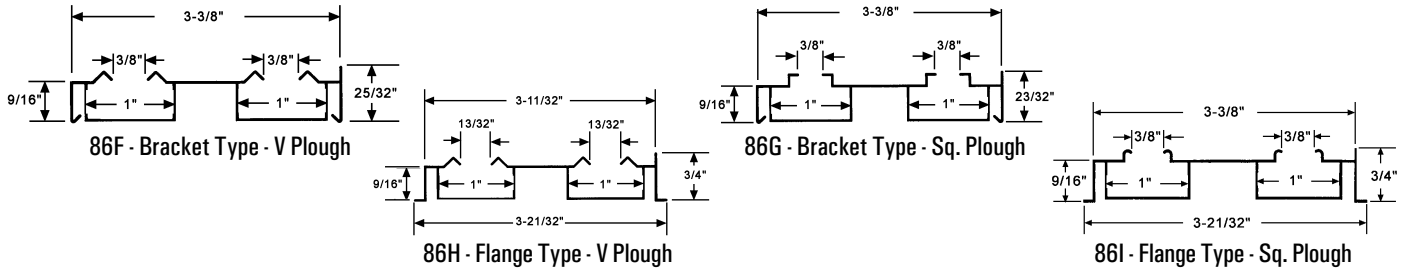
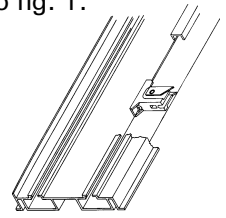
1 - **Bracket type** - used primarily in retrofit or **Flange type** - used in custom manufacturing refer to fig. 1.

2 - **V plough** or **Square plough** (refer to figure 2.)

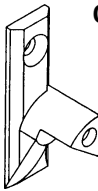
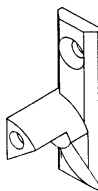
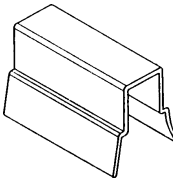
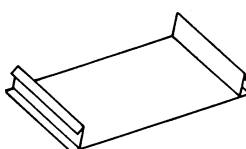
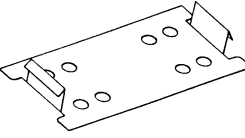
3 - If converting from a non-tilt to a tilt system - you will need to cut back sash 1-1/2" (fig. 1) and then plough sash as shown (fig. 2).

Our chart on the following page offers standard industry sizes, however we can provide a variety of options See our jambliner chart on page 57 for any special requests.

4 - To purchase ribbed balances separately see page 18 for 62A Series



7000 Series Hardware

 <p>Cam Pivots</p> <p>62-650RH Zinc</p> <p>62-649RB Black plastic</p>	 <p>62-650LH Zinc</p> <p>62-649LW White plastic</p>	 <p>Sash Stops</p> <p>62-701BG Beige</p> <p>62-701 White</p>	 <p>Installation Brackets</p> <p>86-21 Vinyl Release</p>	 <p>86-22 Standard</p>
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TILT JAMBLINERS WITH BLOCK & TACKLE BALANCES

7000 Series Part # for Standard Jambliner Sets 15° with Standard Lengths

For all variations or specials please refer to chart on page 57

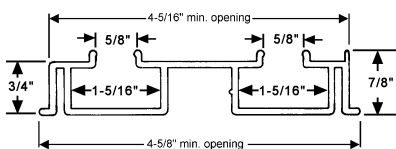
Glass Height	Number Stamped on Balance	Balance Length	Approx. Sash Weight Capacity	86F White Bracket Type V Plough	86 H White Flange Type V Plough	86 G White Bracket Type Square Plough	86 I White Flange Type Square Plough	Length to Longest Point
12"	12 REG	13"	8-11 lbs.	86F-15°-30-3/8	86H-15°-30-3/8	86G-15°-30-3/8	86I-15°-30-3/8	30-3/8"
12"	12HD	13"	12-14 lbs.	86F-15°-30-3/8HD	86H-15°-30-3/8HD	86G-15°-30-3/8HD	86I-15°-30-3/8HD	30-3/8"
14"	14 REG	15"	10-15 lbs.	86F-15°-34-3/8	86H-15°-34-3/8	86G-15°-34-3/8	86I-15°-34-3/8	34-3/8"
14"	14 HD	15"	15-22 lbs.	86F-15°-34-3/8HD	86H-15°-34-3/8HD	86G-15°-34-3/8HD	86I-15°-34-3/8HD	34-3/8"
16"	16 REG	17"	10-17 lbs.	86F-15°-38-3/8	86H-15°-38-3/8	86G-15°-38-3/8	86I-15°-38-3/8	38-3/8"
16"	16HD	17"	17-22 lbs.	86F-15°-38-3/8HD	86H-15°-38-3/8HD	86G-15°-38-3/8HD	86I-15°-38-3/8HD	38-3/8"
18"	18 REG	19"	10-17 lbs.	86F-15°-42-3/8	86H-15°-42-3/8	86G-15°-42-3/8	86I-15°-42-3/8	42-3/8"
18"	18 HD	19"	17-22 lbs.	86F-15°-42-3/8HD	86H-15°-42-3/8HD	86G-15°-42-3/8HD	86I-15°-42-3/8HD	42-3/8"
20"	20 REG	21"	10-17 lbs.	86F-15°-46-3/8	86H-15°-46-3/8	86G-15°-46-3/8	86I-15°-46-3/8	46-3/8"
20"	20 HD	21"	17-20 lbs.	86F-15°-46-3/8HD	86H-15°-46-3/8HD	86G-15°-46-3/8HD	86I-15°-46-3/8HD	46-3/8"
20"	20 TG	21"	20-30 lbs.	86F-15°-46-3/8TG	86H-15°-46-3/8TG	86G-15°-46-3/8TG	86I-15°-46-3/8TG	46-3/8"
22"	22 REG	23"	10-18 lbs.	86F-15°-50-3/8	86H-15°-50-3/8	86G-15°-50-3/8	86I-15°-50-3/8	50-3/8"
22"	22 HD	23"	18-22 lbs.	86F-15°-50-3/8HD	86H-15°-50-3/8HD	86G-15°-50-3/8HD	86I-15°-50-3/8HD	50-3/8"
22"	22 TG	23"	22-30 lbs.	86F-15°-50-3/8TG	86H-15°-50-3/8TG	86G-15°-50-3/8TG	86I-15°-50-3/8TG	50-3/8"
24"	24 REG	25"	10-18 lbs.	86F-15°-54-3/8	86H-15°-54-3/8	86G-15°-54-3/8	86I-15°-54-3/8	54-3/8"
24"	24 HD	25"	18-22 lbs.	86F-15°-54-3/8HD	86H-15°-54-3/8HD	86G-15°-54-3/8HD	86I-15°-54-3/8HD	54-3/8"
24"	24TG	25"	22-30 lbs.	86F-15°-54-3/8TG	86H-15°-54-3/8TG	86G-15°-54-3/8TG	86I-15°-54-3/8TG	54-3/8"
26"	26 REG	27"	10-19 lbs.	86F-15°-58-3/8	86H-15°-58-3/8	86G-15°-58-3/8	86I-15°-58-3/8	58-3/8"
26"	26 HD	27"	19-24 lbs.	86F-15°-58-3/8HD	86H-15°-58-3/8HD	86G-15°-58-3/8HD	86I-15°-58-3/8HD	58-3/8"
26"	26 TG	27"	24-31 lbs.	86F-15°-58-3/8TG	86H-15°-58-3/8TG	86G-15°-58-3/8TG	86I-15°-58-3/8TG	58-3/8"
28"	28 REG	29"	15-22 lbs.	86F-15°-62-3/8	86H-15°-62-3/8	86G-15°-62-3/8	86I-15°-62-3/8	62-3/8"
28"	28 HD	29"	22-28 lbs.	86F-15°-62-3/8HD	86H-15°-62-3/8HD	86G-15°-62-3/8HD	86I-15°-62-3/8HD	62-3/8"
28"	28 TG	29"	28-35 lbs.	86F-15°-62-3/8TG	86H-15°-62-3/8TG	86G-15°-62-3/8TG	86I-15°-62-3/8TG	62-3/8"
30"	30 REG	31"	15-23 lbs.	86F-15°-66-3/8	86H-15°-66-3/8	86G-15°-66-3/8	86I-15°-66-3/8	66-3/8"
30"	30 HD	31"	23-29 lbs.	86F-15°-66-3/8HD	86H-15°-66-3/8HD	86G-15°-66-3/8HD	86I-15°-66-3/8HD	66-3/8"
30"	30 TG	31"	20-36 lbs.	86F-15°-66-3/8TG	86H-15°-66-3/8TG	86G-15°-66-3/8TG	86I-15°-66-3/8TG	66-3/8"
32"	32 REG	33"	15-24 lbs.	86F-15°-70-3/8	86H-15°-70-3/8	86G-15°-70-3/8	86I-15°-70-3/8	70-3/8"
32"	32 HD	33"	24-29 lbs.	86F-15°-70-3/8HD	86H-15°-70-3/8HD	86G-15°-70-3/8HD	86I-15°-70-3/8HD	70-3/8"
32"	32 TG	33"	29-36 lbs.	86F-15°-70-3/8TG	86H-15°-70-3/8TG	86G-15°-70-3/8TG	86I-15°-70-3/8TG	70-3/8"
34"	34 REG	35"	15-24 lbs.	86F-15°-74-3/8	86H-15°-74-3/8	86G-15°-74-3/8	86I-15°-74-3/8	74-3/8"
34"	34 HD	35"	24-29 lbs.	86F-15°-74-3/8HD	86H-15°-74-3/8HD	86G-15°-74-3/8HD	86I-15°-74-3/8HD	74-3/8"
34"	34 TG	35"	29-36 lbs.	86F-15°-74-3/8TG	86H-15°-74-3/8TG	86G-15°-74-3/8TG	86I-15°-74-3/8TG	74-3/8"
36"	36 REG	37"	15-24 lbs.	86F-15°-78-3/8	86H-15°-78-3/8	86G-15°-78-3/8	86I-15°-78-3/8	78-3/8"
36"	36 HD	37"	24-29 lbs.	86F-15°-78-3/8HD	86H-15°-78-3/8HD	86G-15°-78-3/8HD	86I-15°-78-3/8HD	78-3/8"
36"	36TG	37"	29-38 lbs.	86F-15°-78-3/8TG	86H-15°-78-3/8TG	86G-15°-78-3/8TG	86I-15°-78-3/8TG	78-3/8"
38"	38 REG	39"	15-24 lbs.	86F-15°-82-3/8	86H-15°-82-3/8	86G-15°-82-3/8	86I-15°-82-3/8	82-3/8"
38"	38 HD	39"	24-29 lbs.	86F-15°-82-3/8HD	86H-15°-82-3/8HD	86G-15°-82-3/8HD	86I-15°-82-3/8HD	82-3/8"
38"	38 TG	39"	29-38 lbs.	86F-15°-82-3/8TG	86H-15°-82-3/8TG	86G-15°-82-3/8TG	86I-15°-82-3/8TG	82-3/8"
40"	40 REG	41"	15-25 lbs.	86F-15°-86-3/8	86H-15°-86-3/8	86G-15°-86-3/8	86I-15°-86-3/8	86-3/8"
40"	40 HD	41"	25-30 lbs.	86F-15°-86-3/8HD	86H-15°-86-3/8HD	86G-15°-86-3/8HD	86I-15°-86-3/8HD	86-3/8"
40"	40 TG	41"	30-38 lbs.	86F-15°-86-3/8TG	86H-15°-86-3/8TG	86G-15°-86-3/8TG	86I-15°-86-3/8TG	86-3/8"
42"	42 REG	43"	15-25 lbs.	86F-15°-90-3/8	86H-15°-90-3/8	86G-15°-90-3/8	86I-15°-90-3/8	90-3/8"
42"	42 HD	43"	25-30 lbs.	86F-15°-90-3/8HD	86H-15°-90-3/8HD	86G-15°-90-3/8HD	86I-15°-90-3/8HD	90-3/8"
42"	42 TG	43"	30-38 lbs.	86F-15°-90-3/8TG	86H-15°-90-3/8TG	86G-15°-90-3/8TG	86I-15°-90-3/8TG	90-3/8"

To Order Beige Jambliners Add B After Part Number. Example: 86F-15°-30-3/8HDB

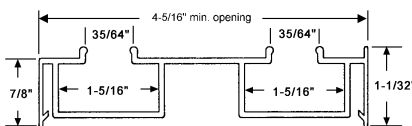
Note: For sash weights below shown on chart add 'L' to glass height. Example: 36" glass height + L = 36L

HEAVY DUTY MAGNUM JAMBLINERS FOR 1-3/4" SASH

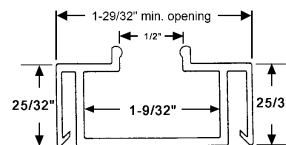
- The Magnum Jambliners are the choice for historical restorations.
- Can carry up to 80 lbs. sash weights. However sash over 48" height and 50 lbs. must have limited travel
- Magnums are offered for both double hung and single hung. Single hung is an excellent choice when top sash is fixed - cost is dramatically reduced.
- Double hung is offered in bracket type or flange type. Single hung is bracket type only.
- Available in white or beige finishes.
- Sets include hardware and top retainer can be used to make jambliners non tilt. Hardware includes 2RH & 2LH pivots, 2 sash stops and two sash retainers for lower sash. For bracket type installation up to 54", 4 brackets per set, up to 84", 6 brackets per set, 84", 8 brackets per set.



86MF - Flange Type



86M - Bracket Type



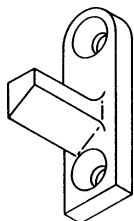
86MS - Bracket Type

***Magnum series is not a stock item and must be custom made. Please fill out information below. These items are nonreturnable.**

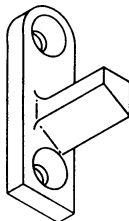
1. *Circle One:* Do you want single hung (86 MS) or double hung Jambliner.
2. *Circle One:* If double hung - Do you want bracket type (86M) or flange type (86MF)
3. *Circle One:* Beige or White
4. *Circle One:* Sill angle: Square Cut (recommended) 15° (Most Common) 14°, 9°, 7°, 5°, Other _____
5. Visible glass height of top sash _____, top sash weight _____.
6. Visible glass height of bottom sash _____, bottom sash weight _____.
7. Glass width (top & bottom same)
8. Overall Length to Longest Point _____ Shortest Point _____

Example: 86M-Sq-76S45B means Double-hung, bracket type Jambliner (86M) Square cut (Sq) 76" long 45 lbs beige (B).

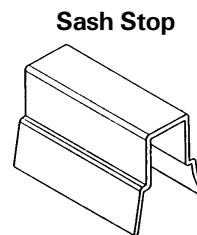
86M - 86MF - 86MS Hardware Cam Pivots



62-651LH



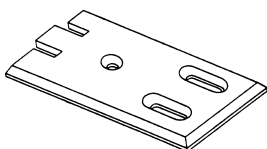
62-651RH



62-702 White
62-702BG Beige

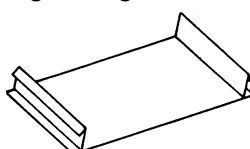
Installation Brackets

Sash Retainers



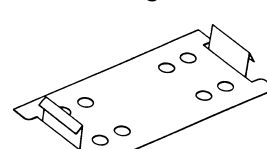
62-657BR Brown
62-657 White

Single Hung Bracket



86-16

Double Hung Bracket



86-9

Hardware is included with Jambliner set. These items can also be purchased separately.