

G3



Stackable Balances for Heavier Sashes and Quicker Assembly. Delivers Smooth, Quiet Operation.

NEW FEATURES

- Higher loads with four spring capability
- Interlocking, stackable spring holders
- Assemblies come out of the box and into the jamb - no need to assemble holders first
- Can be purchased as a full assembly, or individual components for easy assembly at the production line—from singles to quads
- Drag screw and anti-take out clip ready

IMPROVED PERFORMANCE

- Up to 30% smoother operation made possible by low friction shoe and holder design
- New holder design makes operation whisper quiet
- Nesting features in holder and shoe keep balance stack to a minimum
- Balance heavier sashes with new higher output coil springs

PROVEN TECHNOLOGY

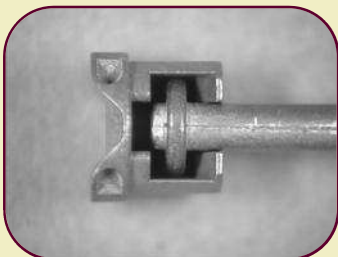
- Uses proven PivotTrue cam and pivot bar drop-in, interlocking technology
- Fourteen years of marketplace reliability
- Listed on the AAMA verified components list

1/2" (.550")

G3



3/4" (.890")



Full metal-on-metal interlocking mechanism assists in higher DP ratings.

PivotTrue Interlocks Window Sash to Frame for improved Manufacturing, Shipping and Window Installation.

SAFE AND SECURE

- Drop-in sash design to eliminate the need to "Rack-In" the sash
- Interlocks the sash and frame to protect against the sash falling out during shipping and installation
- Brake will engage with as little as 15° of sash tilt-in
- Brake customizes to your specific profile for optimal performance

INCREASED STRUCTURAL STRENGTH

- Substantially higher structural-load performance in a double-hung window by interlocking the sash and frame
- The only system on the market with a full face "metal-on-metal" interlock
- High-impact polymer reinforced shoe construction for dependable performance
- Pivot Bars and and Balance Shoe Cams are made from a Zamak alloy for superior strength

SUPERIOR CORROSION RESISTANCE

- Pivot Bars and Balance Shoe Cams are die cast zinc with a superior corrosion resistant coating
- Balance shoe is made of a strong Glass-Filled Nylon

SMOOTH OPERATION

- Optimized low-friction material for minimal drag
- Low friction design enhanced by self lubricated plastic

PLENTY OF OPTIONS

- The choice of 10 brake pad sizes for 1/2" or 3/4" shoes to fit a variety of balance pocket options
- Fits a majority of window styles on the market with the choice of 26 Pivot Bar styles and sizes
- Four spring stackability
- Integral weld relief for more weld allowance
- Compatible with locking safety clip and standard drag screw



The pivot bar stays secure within the balance shoe with an optional locking safety clip.

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3/8" Coil
(Tandem & Standard)

Q1



1/2" Coil
(Tandem & Standard)

Q2



3/4" Coil
(Tandem & Standard)

Q3



*The industry's highest performing
coil springs*

HIGH RATINGS

- AAMA 902-07 certified
- Stress relieved, 301 stainless steel
- Balance heavier sashes with new higher output coil springs
- Patented full width hook spring allows easy fastenerless assembly with the shoe for reduced assembly time
- Extra long tails allow triple spring balances with minimal assembly time and inventory
- Smooth and whisper quiet operation with the new one piece, stackable holder

3/8" Coil (Tandem & Standard)



For achieving egress, the 3/8" coil springs are used in conjunction with our 1/2" balance shoe to increase the travel of the balance.

3/8" COIL HOOK SPRINGS

PART NUMBER	SPRING CODE
13247-999	G
13248-999	GL
13249-999	H
13250-999	HL

1/2" Coil (Tandem & Standard)



1/2" COIL HOOK SPRINGS

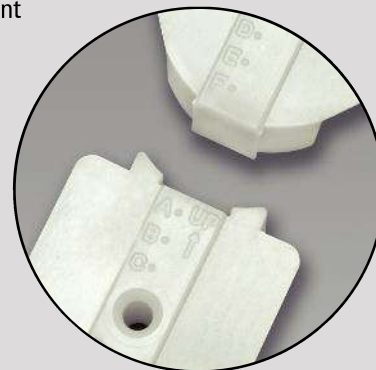
PART NUMBER	SPRING CODE	LBS
13236-999	A	3.0
13237-999	B	4.5
13238-999	BL	4.5
13239-999	C	5.5
13240-999	CL	5.5
13241-999	D	6.5
13242-999	DL	6.5
13905-999	DXL	6.0
13243-999	E	7.0
13244-999	EL	7.0
13906-999	EXL	7.0
13245-999	F	8.0
13246-999	FL	8.0
13907-999	FXL	8.0
14080-999	J	9.0
14081-999	JL	9.0
14082-999	JXL	9.0
14088-999	JXX	9.0

Stackable Coil Spring Holder For 3/8" and 1/2" Springs

- Stack up to 4 coil springs in a neat, straight stack
- Low friction, quiet operation
- Identify spring size on face of holder
- Stacks with other size spring holders



- Unique, Patent Pending Dove-Tail Design



Patent Pending

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3/4" Coil (Tandem & Standard)



3/4" COIL HOOK SPRINGS

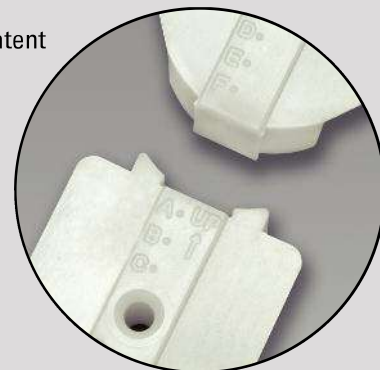
PART NUMBER	SPRING CODE	LBS
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13317-999	N	4.0
13318-999	O	5.0
13319-999	P	6.0
13320-999	Q	5.0
13321-999	QL	5.0
13322-999	S	7.0
13323-999	SL	7.0
13324-999	T	8.0
13325-999	TL	8.0
13326-999	U	9.0
13327-999	UL	9.0
13328-999	V	10.0
13329-999	VL	10.0

Stackable Coil Spring Holder For 3/4" Springs

- Stack up to 4 coil springs in a neat, straight stack
- Low friction, quiet operation
- Identify spring size on face of holder
- Stacks with other size spring holders



- Unique, Patent Pending Dove-Tail Design



Patent Pending

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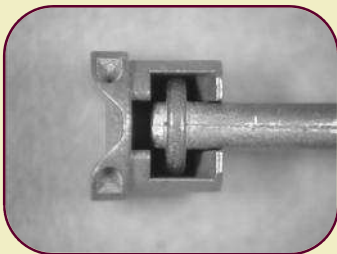
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07/12

1.25" x .50"

G2



Full metal-on-metal interlocking mechanism assists in higher DP ratings.

PivotTrue Interlocks Window Sash to Frame for Improved Manufacturing, Shipping and Window Installation.

SAFE AND SECURE

- Drop-in sash design to eliminate the need to "Rack-In" the sash
- Interlocks the sash and frame to protect against the sash falling out during shipping and installation
- Brake will engage with as little as 15° of sash tilt-in
- Brake customizes to your specific profile for optimal performance

INCREASED STRUCTURAL STRENGTH

- Substantially higher structural-load performance in a double-hung window by interlocking the sash and frame
- The only system on the market with a full face "metal-on-metal" interlock
- High-impact polymer reinforced shoe construction for dependable performance
- Pivot Bars and Balance Shoe Cams are made from a Zamak alloy for superior strength

SUPERIOR CORROSION RESISTANCE

- Pivot Bars and Balance Shoe Cams are die cast zinc with a superior corrosion resistant coating
- Balance shoe is made of a Glass-Filled Nylon

SMOOTH OPERATION

- Smooth, consistent feel with metal-on-plastic performance

PLENTY OF OPTIONS

- The choice of 10 brake pad sizes to accurately fit a variety of balance pocket sizes
- Fits a majority of window styles on the market with the choice of several Pivot Bar styles and sizes

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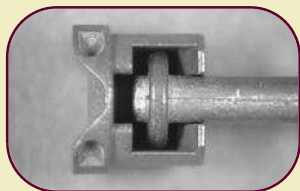


G2

1.25" x .50"
Short



1.25" x .50"
Tall



Full metal-on-metal interlocking mechanism assists in higher DP ratings.

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- The only system on the market with a full face "metal-on-metal" interlock
- High-impact polymer reinforced shoe construction for dependable performance
- Pivot Bars and Balance Shoe Cams are made from a Zamak alloy for superior strength

SUPERIOR CORROSION RESISTANCE

- Rust and corrosion resistant components are incorporated through-out the entire balance
- Pivot Bars and Balance Shoe Cams are die cast zinc with a superior corrosion resistant coating
- Balance shoe is made of a Glass-Filled Nylon

SMOOTH OPERATION

- Smooth, consistent feel with metal-on-plastic performance

PLENTY OF OPTIONS

- Available for hook or lug type connection
- The choice of 10 brake pad sizes to accurately fit a variety of balance pocket sizes
- Fits a majority of window styles on the market with the choice of several Pivot Bar styles and sizes

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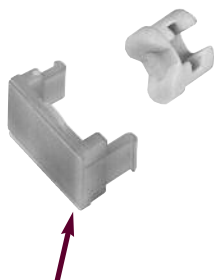
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PIVOTTRUE® BALANCE SHOE BRAKE PAD SPEC SHEET

HUNG WINDOW HARDWARE

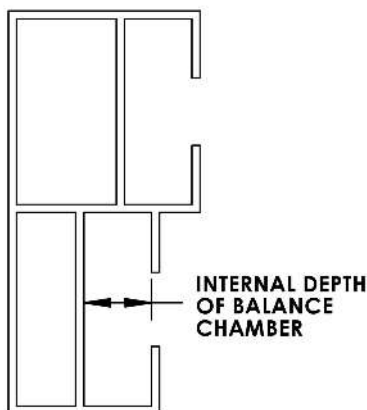
Determining Brake Pad Size

Use these 5 steps to determine the brake pad size for any Ashland brake shoe.



Interchangeable
Rear Brake Pads

1. Measure the internal depth of the balance chamber. Refer to dimension in diagram below.
For example a .590" pocket size
2. Add .030 to the internal depth. $.590" + .030" = .620"$
3. Subtract the shoe width of .545 from the value found in step 2.
 $.620 - .545 = .075$.
4. Use the table below to find the corresponding color for .075". In this case, blue.
5. When ordering samples, request this color along one size larger and one size larger and one size smaller. In this case, brown and green in addition to blue.



Brake Pad Extension From Shoe Housing	Color Code Of Brake Pad
.035	Black
.045	White
.055	Dusk
.065	Brown
.075	Cadet Blue
.085	Green
.095	Tan
.105	Cream
.115	Desert Sand
.125	Mar Blue

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1/2" (.500")



1.25" x .50"
Short



3/4" (.890")



1.25" x .50"
Tall



1.25" x .50"

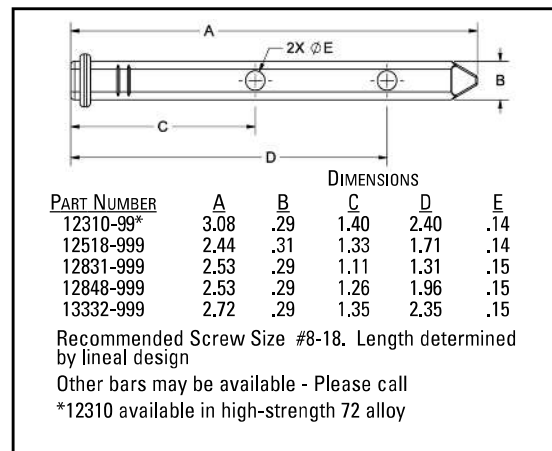
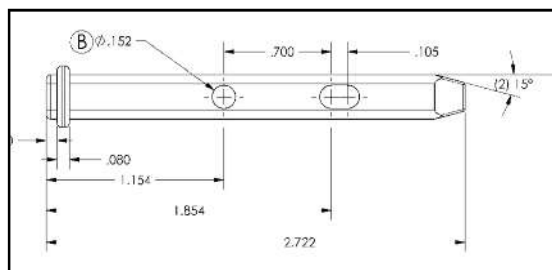
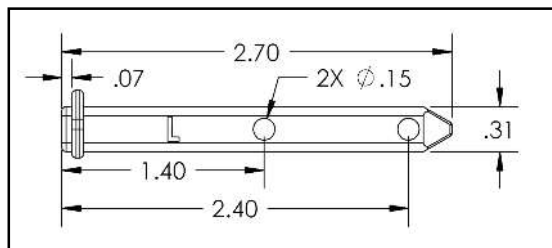
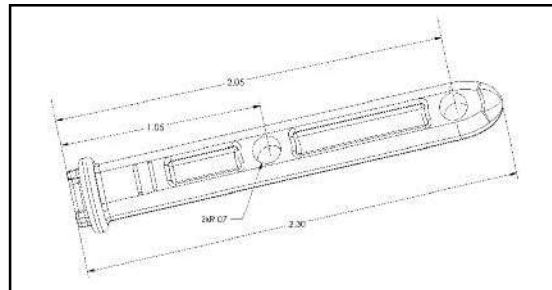
Part Number 14110



Part Number 12439



Part Number 13798



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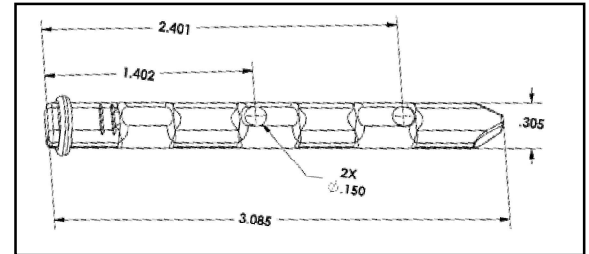
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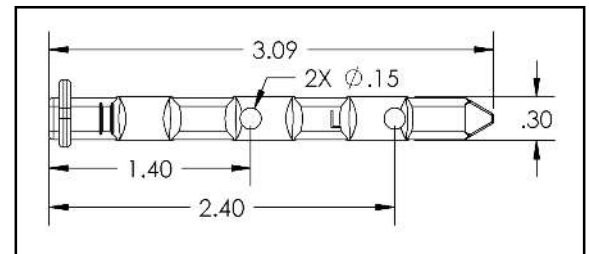
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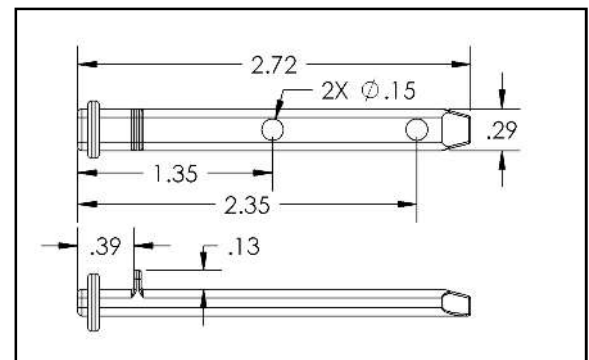
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Part Number 13395



Part Number 13455



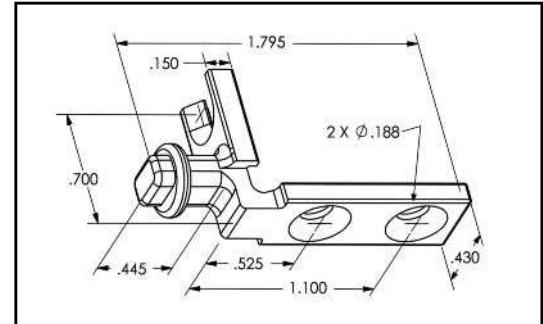
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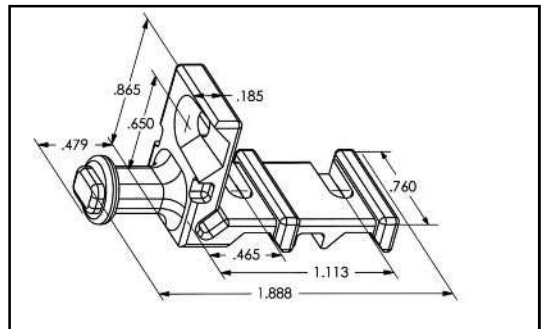
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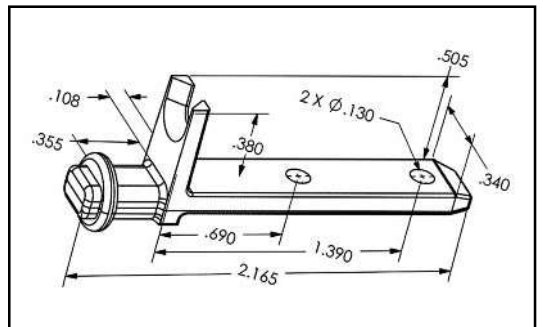
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Part Number 12435/12436



Part Number 13036



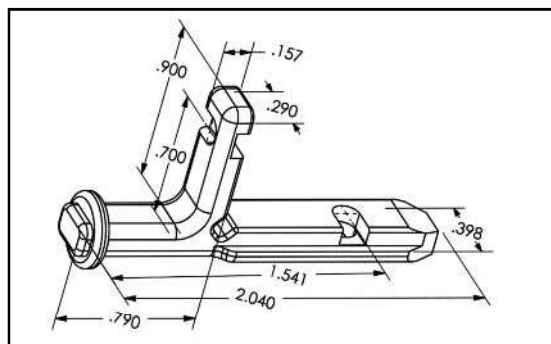
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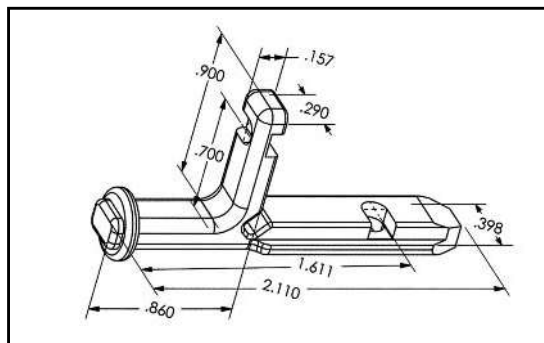
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Part Number 12717



Part Number 12573



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PIVOTTRUE® 3/4" (.890") PIVOT BARS

HUNG WINDOW HARDWARE

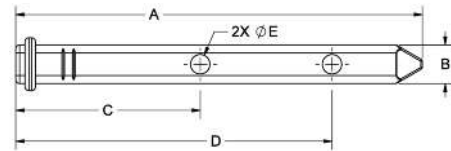
Part Number 12986



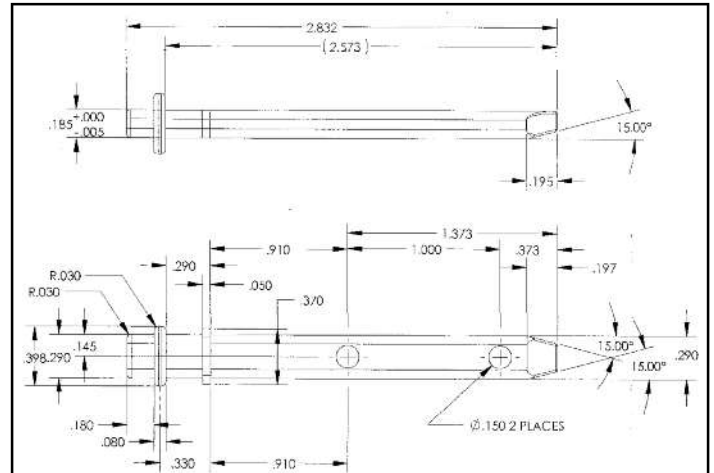
PART NUMBER	DIMENSIONS				
	A	B	C	D	E
12986	3.205	.29	1.52	2.52	.15

Recommended Screw Size #8-18. Length determined by lineal design

Other bars may be available - Please call



Part Number 13333



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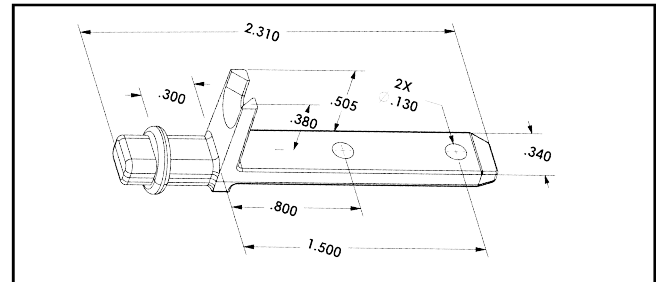
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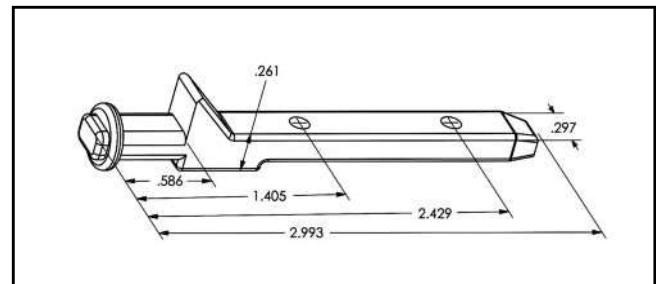
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HUNG WINDOW HARDWARE

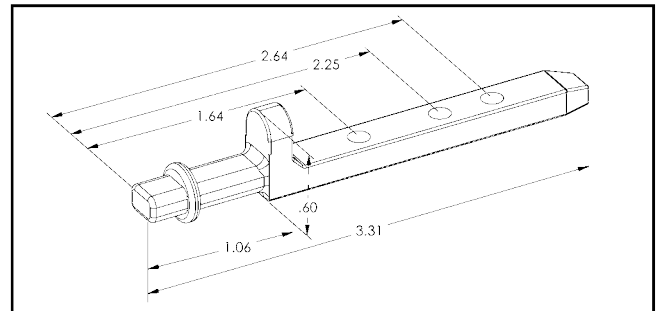
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Part Number 12553



Part Number 13335



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