

## Section 10 ASTRAGALS & MEETING STILES

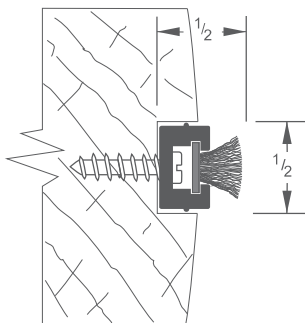
**All Astragals and Meeting Stiles are cut exact.**  
Standard Sizes: 80" and 84" (Except as noted).

Other lengths are available and are cut exact as ordered (Extra cost over 84").

Steel Meeting Stiles are furnished with counter-sunk holes.

Vinyl seal is black; fasteners are provided.

### 1130 P



Black rigid vinyl retainer. Mortised or surface mounted for proper sealing pressure. Black pile seal (#9082) shown. Optional seals available. SMS 4 x 5/8" phillips panhead screws are provided. **84" Length.**

#### Optional seals:

9032T Bulb

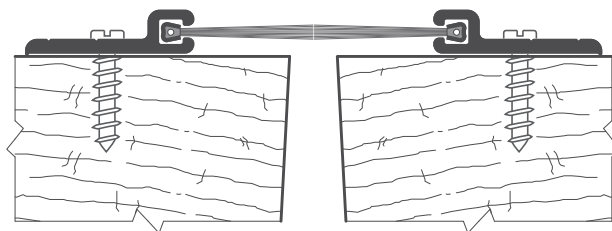
9082 Pile (Black)

9088 Finned Pile (Black)

(See seal profiles on page 41.)

### 309 A, B

2 pieces in illustration

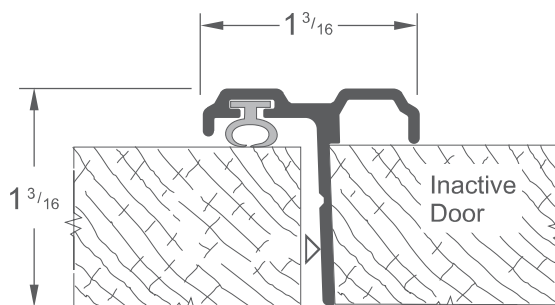


### 1152 P (Primed) 96" Length only



Steel meeting stile with countersunk holes. Primed finish. SMS 10 x 1" phillips flathead screws are provided.

### 1201 A, B, PG, W



Extruded aluminum T-Astragal. Screw nails provided.



## ASTRAGAL STOP CUT OPTION

**ASTRAGAL STOP CUT (ASC)**  
(for Parts 5000, 5400, 5450, 5475, & 5500)

Available Sizes: **7/16"**, **1/2"**, & **5/8"**

### ASTRAGAL PRODUCTS FOR 1-3/4" IN-SWING DOORS

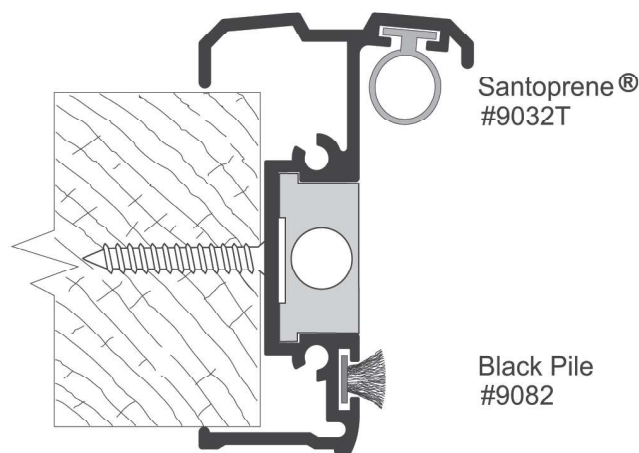
#### Standard Features for Astra-Bolts ®

- 1) Hardware pack includes steel strike plate, installation spacers, neoprene bottom seal, escutcheon plate for header, fasteners and full instructions.
- 2) Seal materials of Santoprene®, vinyl, or pile as noted.
- 3) Steel bolts 5/16" diameter.
- 4) All astragals are field handed and can be field trimmed to size.
- 5) Dead bolt punch out and trim plate with spacers are available or included, as noted.
- 6) Trim strips, trim plates, strike plates and accessories in black color or black finish.
- 7) Accommodates heavy reveal on newer doors.
- 8) Special sizes available.

Astra-Bolt ® is a registered trade name for Combo Aluminum Product's Double Door Astragals.

## 5000 ASTRA-BOLT

B, S, W



This astragal has all of the standard features of other Combo Astra-Bolts, plus the C-index plate. This plate is an integral part of the lock mechanism which enables the bolt to function correctly when the astragal length has been field trimmed.

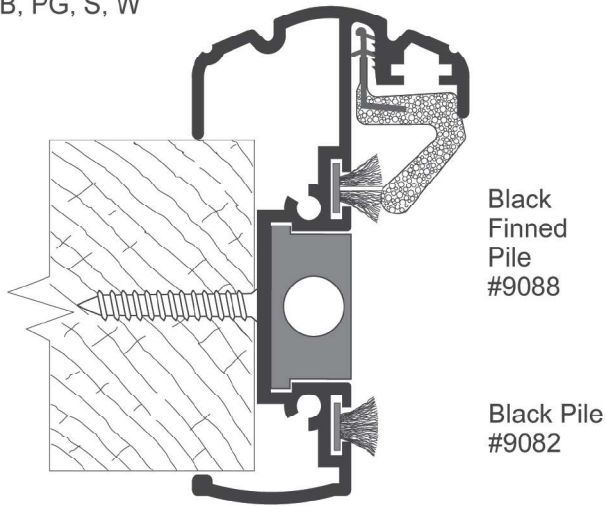
#### Specific Features:

- 1) **22" bolt units** with spring detent,
- 2) Double seal at exterior and interior location,
- 3) Requires **1/2"** space between doors (plus clearance),
- 4) Surface mount,
- 5) Includes bottom seal and top escutcheon plate.

**Options:** 8" Dead bolt punch out  
Dead bolt trim pack (trim plate and spacers)  
Pile seals (#'s 9082 and 9088)

## 5400 ASTRA-BOLT

B, PG, S, W



**TRIPLE WEATHERSTRIP SEAL  
and  
22" LOCKING BOLTS**

### Features:

- 1) Accepts doors with heavy reveal,
- 2) Field handed, can be field trimmed,
- 3) Full strike plate & dead bolt trim plate,
- 4) Dead bolt punch out for ease of installation,
- 5) Escutcheon plate for head,
- 6) Thermoplastic bottom seal.

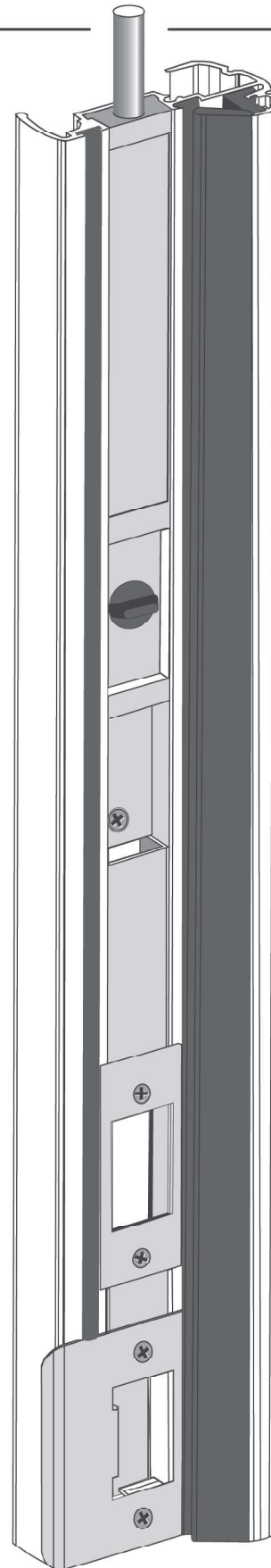
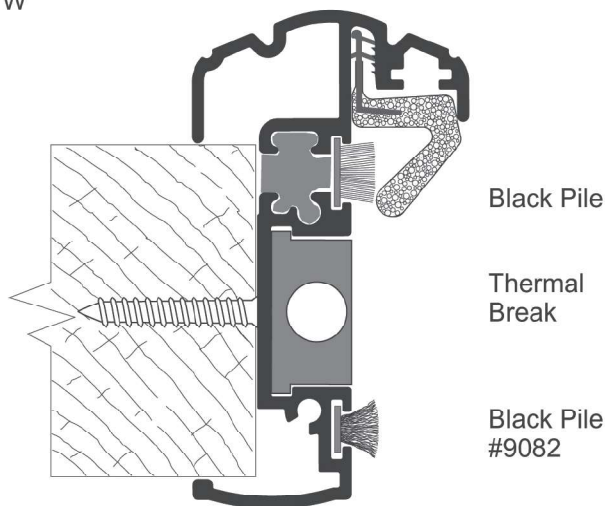
### For in-swing doors only

1/2" space between doors plus clearance.

## 5450

### THERMAL-BREAK ASTRA-BOLT

W



**PATENT 6457751**  
(Bolt Assembly)

22 INCH SPRING  
DETENT POSITIVE  
ACTION BOLT UNIT  
TOP & BOTTOM

QUARTER-TURN  
RED KNOB FOR  
ADDED SECURITY

INCLUDES 8"  
PUNCH OUTS FOR  
DEAD BOLT  
(TWO ON 96"+)

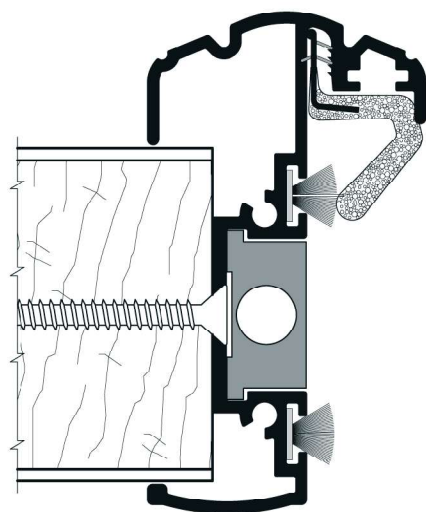
DEAD BOLT TRIM  
PLATE

FULL STRIKE  
PLATE

THIS DRAWING NOT TO SCALE

# 5475 HURRICANE-RATED ASTRA-BOLT

B, PG, S



Black  
Finned  
Pile  
#9088

Black Pile  
#9082

## Features:

- 1) 5/16" dia hardened steel pin,
- 2) 22" spring detent positive action bolt unit top & bottom (Patent #6457751),
- 3) 2 heavy duty escutcheon plates for top and bottom.

## Additionally:

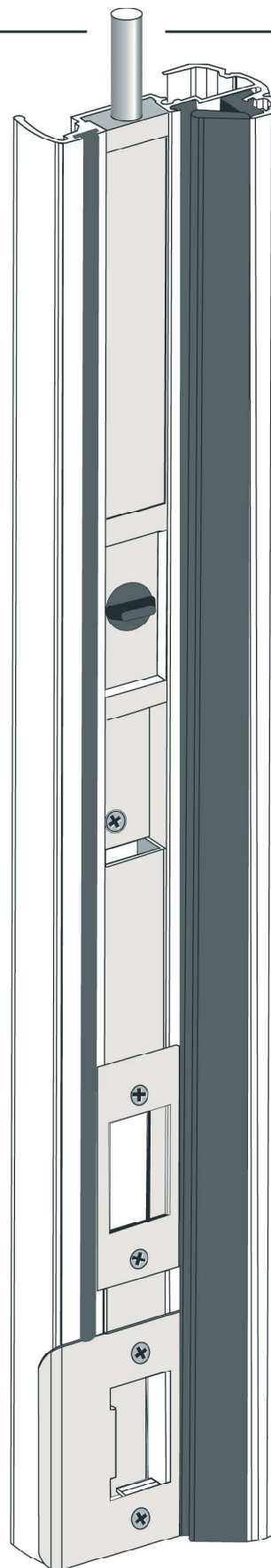
Field handed, can be field trimmed,  
Thermoplastic bottom seal provided,  
Fasteners included.

## For in-swing doors only

1/2" space between doors  
plus clearance.



THIS DRAWING NOT TO SCALE



**PATENT 6457751**  
(Bolt Assembly)

5/16" DIAMETER  
HARDENED  
STEEL PIN

22 INCH SPRING  
DETENT POSITIVE  
ACTION BOLT UNIT  
TOP & BOTTOM

QUARTER-TURN  
RED KNOB FOR  
ADDED SECURITY

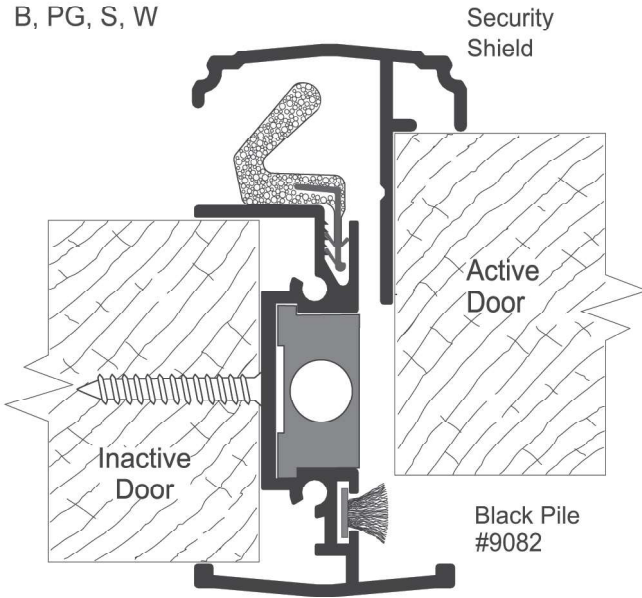
DEAD BOLT TRIM  
PLATE

FULL STRIKE  
PLATE

## ASTRA-BOLT FOR OUT-SWING DOORS

# 5500

B, PG, S, W



This COMBO two piece astragal is for:  
**1-3/4" OUT-SWING DOORS**

### Features:

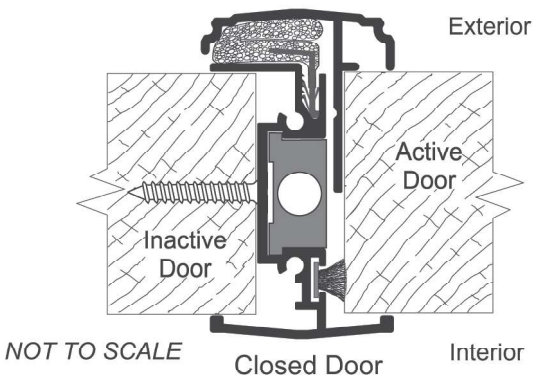
#### For The Active Door:

Extruded aluminum Security Shield  
(screw nails provided).

**Option:** Drill and countersink holes on  
shield with screws provided.

#### For The Inactive Door:

Field handed, can be field trimmed,  
Full strike plate & dead bolt trim plate,  
Dead bolt punch out for ease of installation,  
Escutcheon plate for head,  
Spacing requirements: 1/2" for astragal and  
1/16" for security shield, plus clearance.



NOT TO SCALE

22 INCH SPRING  
DETENT POSITIVE  
ACTION BOLT UNIT  
TOP & BOTTOM

QUARTER-TURN  
RED KNOB FOR  
ADDED SECURITY

INCLUDES 8"  
PUNCH OUTS  
FOR DEAD BOLT  
(TWO ON 96"+)

DEAD BOLT  
TRIM PLATE

FULL STRIKE  
PLATE

**PATENT 6457751**  
(Bolt Assembly)

Security Shield

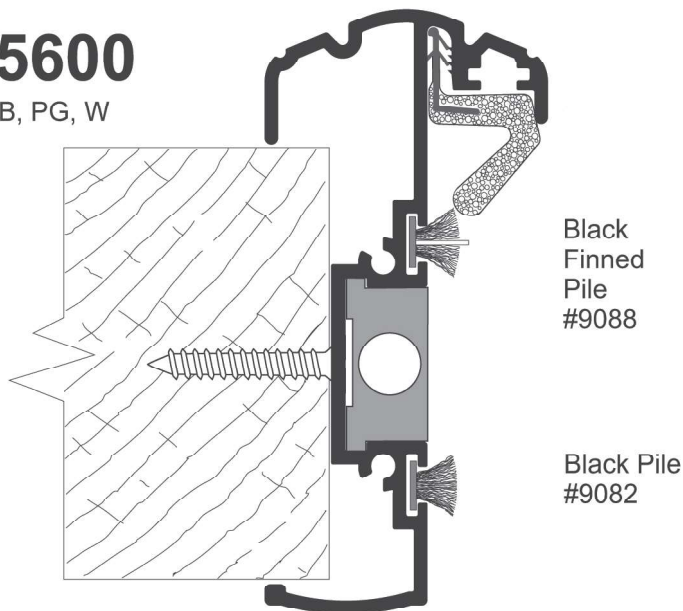


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## ASTRA-BOLT FOR 2-1/4" IN-SWING DOORS

**5600**

B, PG, W

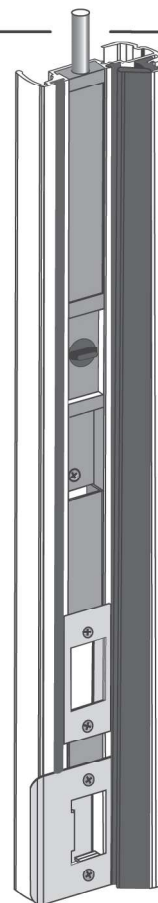


**Features:**

- 1) Accepts doors with heavy reveal,
- 2) Field handed, can be field trimmed,
- 3) Full strike plate & dead bolt trim plate,
- 4) Dead bolt punch out for ease of installation,
- 5) Escutcheon plate for head,
- 6) Thermoplastic bottom seal.

**For in-swing doors only**

1/2" space between doors plus clearance.



**PATENT 6457751**  
(Bolt Assembly)

22 INCH SPRING  
DETENT POSITIVE  
ACTION BOLT UNIT  
TOP & BOTTOM

QUARTER-TURN  
RED KNOB FOR  
ADDED SECURITY

INCLUDES 8"  
PUNCH OUTS FOR  
DEAD BOLT  
(TWO ON 96"+)

DEAD BOLT TRIM  
TRIM PLATE

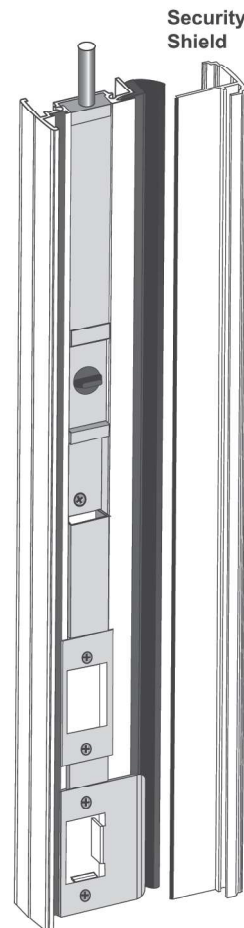
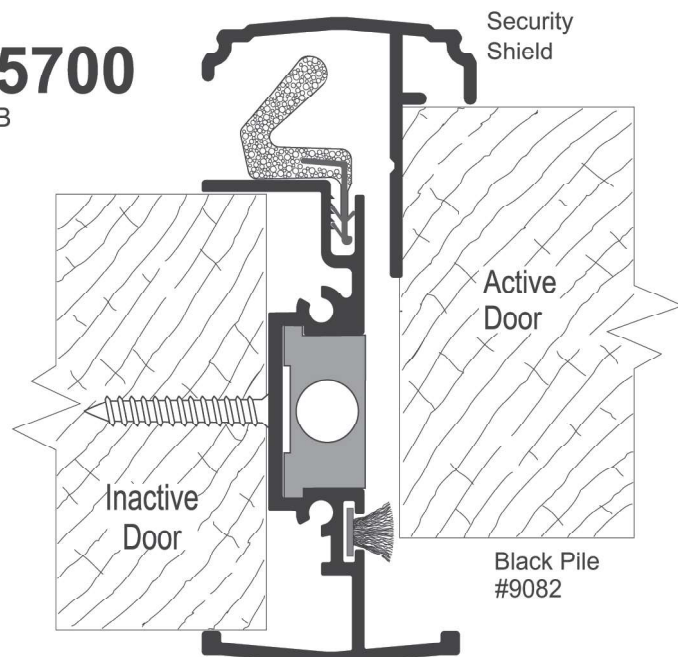
FULL STRIKE  
PLATE

THESE DRAWINGS NOT TO SCALE

## ASTRA-BOLT FOR 2-1/4" OUT-SWING DOORS

**5700**

B



22 INCH SPRING  
DETENT POSITIVE  
ACTION BOLT UNIT  
TOP & BOTTOM

QUARTER-TURN  
RED KNOB FOR  
ADDED SECURITY

INCLUDES 8"  
PUNCH OUTS FOR  
DEAD BOLT  
(TWO ON 96"+)

DEAD BOLT TRIM  
TRIM PLATE

FULL STRIKE  
PLATE

**PATENT 6457751**  
(Bolt Assembly)

PRODUCTS ARE SHOWN ACTUAL SIZE  
(EXCEPT AS NOTED)

COMBO ALUMINUM PRODUCTS, EL CAJON, CA  
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