

DOOR AND HARDWARE SYSTEMS INC.

*Manufacturers of patented
frame seals, door bottoms,
privacy guards and thresholds for
smoke, fire, sound, sight, security
and weatherstripping*

◆
Website: dhsi-seal.com

DHSI SEALING SYSTEMS

Affordable solutions to common problems

- **Universities**
- **Hospitals**
- **Government**
- **Prisons**
- **Psychiatric/Detention Centers**
- **Offices**
- **Senior Living**
- **Apartments**
- **Hotels**

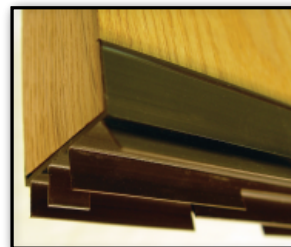
Smoke/Sound Seals



Privacy Guards



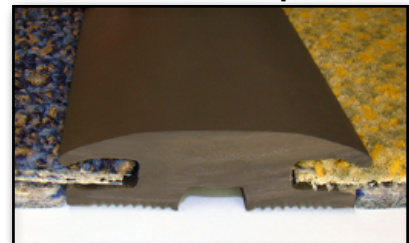
Door Bottoms



Astragals



Transition Strips



**Sealing Systems:
90 minute Positive
Pressure Rated**

meets UL 1784 & UL10C

Patents #5,577,349, #6,058,654, #6,266,924, #6,381,905,
#6,442,901, #6,244,636, #7,062,881, #7,681,372, #8,051,605,
#8,186,114, #8,209,909, #8,418,426, #8,966,841 and Patents Pending

DHSI projects with non-proprietary performance based systems specifications:

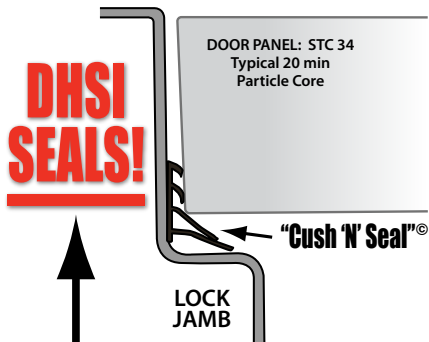
- The rebuild of the Pentagon (9-11) for smoke, fire & sound assemblies, both HM & wood doors
- Bellagio, Conrad Maldives, Ritz-Carltons, Four Seasons, Full Service Marriotts, Courtyards
- Hilton Convention Centers, Microtel Inns, Country Inns and many others
- Andrews and Pope Air Force Base, US Embassy Baghdad, Homeland Security offices, Federal installations
- Yale, Northeastern, Duke, Bowdoin, U of MD, UVA, U of Missouri, and many others

See final page for product index

#105 "CUSH 'N' SEAL"®

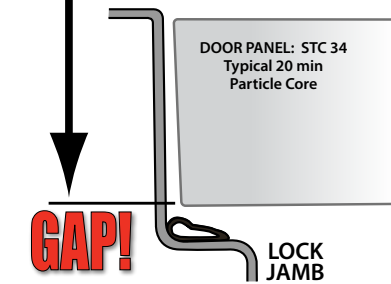
Four-Fin Adhesive-Backed
Sound and Smoke/Fire Seal
and Weatherstripping

"Cush 'N' Seal"® by DHSI
Operating STC 32



SAME OPENING:

"Teardrop" by others
Operating STC 24



Teardrop doesn't work!

HINGE JAMB:

"Cush 'N' Seal"® by DHSI
Operating STC 32

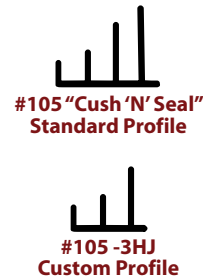


Is Sound A Problem?

Highest Field Operable STC Ratings

"Cush 'N' Seal"® Frame Seals

- **#105** Four fins have the highest field STC Ratings in the industry for standard 20 or 90 minute Guest Entry or Connecting Room Doors.
- **#105-3HJ** Three-fin seal option. The only seal that does not create bind on full-mortise continuous hinges. Used on hinge jamb only.
- Warranted to block light and sound!
- ★ Only DHSI knows STC Ratings are only as practical as the seals and flooring/transition details. Ask for DHSI comparative STC testing of higher rated openings.

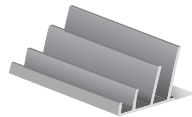


**Highest STC
Field Verified**

**Meets ADA transition, NFPA 101 Self Closing and
NFPA 80 2007 Fire Code Requirements**

Why DHSI Works:

- Warp and Out-of-Plumb don't affect DHSI Frame Seals. Self compensating for warp, thermal bow, and out of plumb.
- Others can not compensate! **GAP = Light, sound and smoke!**
- ★ **Adhesive warranted for life of the installation at interior**



#105 "Cush 'N' Seal"®
x opening size (3'-0 x 7'-0, 6'-0 x 8'-0, etc)
Available in sets of 3, 4, 7 and 8 foot lengths

Color Choices: Off-White, Dark Brown and Black

Patents #5,577,349, #6,058,654, #6,266,924, #6,381,905, #8,209,909 and Patents Pending



Sealing Systems:
90 minute Positive
Pressure Rated

meets UL 1784, UL10C,
NFPA 80 and NFPA 101

**ACTIVE
LINK**

How sealing affects security: online at <http://dhsi-seal.com/qa.htm>

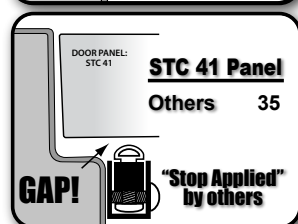
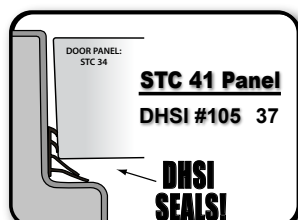
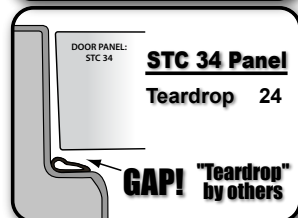
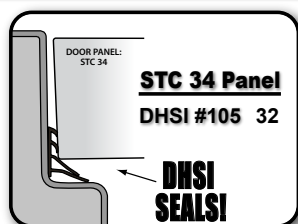
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DHSI STC Ratings: Which One Would You Choose?



TEST RESULTS

SAME OPENING! Head to Head comparison

TORQUE

force on lever

STC 34 Panel

sound transmission

DHSI #105 System —————
No Grinding of Strike Needed

13 lbs

32 - sound barely audible

Teardrop —————
After Grinding of Strike —————
to make lever easy to open

35 lbs+
15 lbs+

27 - can hear words
24 - speech recognizable

**COMBINE DHSI Patented Frame Seals
with DHSI door bottoms for highest STC**

TEST RESULTS

SAME OPENING! Head to Head comparison

STC 41 Panel

sound transmission

DHSI #105 System —————
No Grinding of Strike Needed

37 - sound barely audible

Other —————
"Stop Applied" seal

35 - sound barely audible

DHSI has options that get an STC 44 on an STC 44 panel!

Use at Psychiatric, Mental Health, Prisons,
Hotels, Hi-Rise Condominiums and Offices



Sealing Systems:
90 minute Positive
Pressure Rated

meets UL 1784, UL10C,
NFPA 80 and NFPA 101

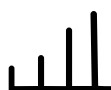
#105-B "CUSH 'N' SEAL" ©

with "Breakaway" ©
anti-ligature option

★ **CNS #105-B "Breakaway"®** addresses the problem of using gasketing to hang or strangle, while still sealing for smoke, light and sound.

- Anti-Ligature: "Cush 'N' Seal" #105-B "Breakaway"® snaps apart every 8 inches and tears off the frame in 8" pieces when removal is attempted.
- For use in Psychiatric facilities, Prisons, etc.
- CNS #105-B "Breakaway"® installs continuously for a neat appearance.
- Four-fin design still effectively blocks light and sound from passing.

- "Cush 'N' Seal"® "Breakaway"®: Patent #8,209,909 and Patents Pending



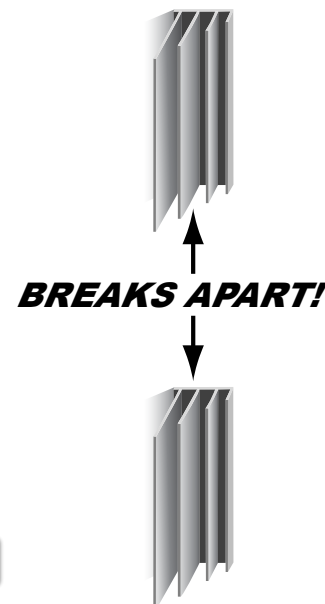
#105-B "Cush 'N' Seal"

#105-B "Cush 'N' Seal"® "Breakaway"® x opening size

Available in sets of 3, 4, 7 and 8 foot lengths

Color Choices: Off-White, Dark Brown and Black

Patents #5,577,349, #6,058,654, #6,266,924, #6,381,905, #8,209,909 and Patents Pending



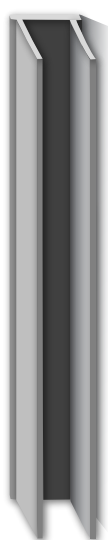
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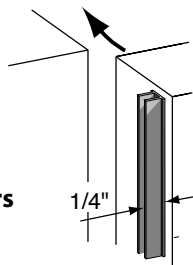
#SA Self Adhesive Surface Astragal

#SA-B Surface Astragal "Breakaway"®

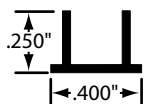


- ★ Self Adhesive seal for weather, sound and smoke.
- ★ For pairs of doors, both active, including wood and hollow metal
- Mounts on the high and/or low side
- Adhesive defies removal by normal finger strength

Seals between Pairs of Wood or Metal Doors



- Seals from 0" to over 1/4" gaps
- No mortising required.



#SA Surface Astragal

#SA x length x color
Available in 7 and 8 foot lengths
Available in Off-White, Light Brown, Dark Brown and Black



Approved and Listed for use up to 90 minutes
Meets UL10C, NFPA 252, UBC 7-2 & CAN4 S104

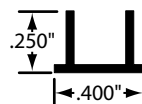


- Anti-Ligature: #SA-B "Breakaway"® snaps apart every 8 inches and tears off the frame in 8" pieces when removal is attempted.
- For use in Psychiatric facilities, Prisons, etc.
- #SA-B "Breakaway"® installs continuously for a neat appearance.

BREAKS APART!



- Self Adhesive seal for weather, sound and smoke.
- For pairs of doors, both active, including wood and hollow metal



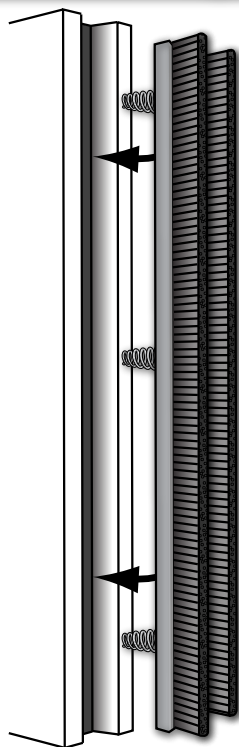
#SA-B Surface Astragal

#SA-B x length x color
Available in 7 and 8 foot lengths
Available in Off-White, Light Brown, Dark Brown and Black
with "Breakaway"® option

Patent #8,209,909 and Patents Pending

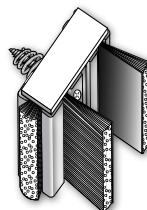
#AMA Adjustable Mortise Astragal

#SSDA3 Surface Astragal

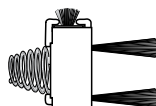


- ★ Mortise seal for weather, sound and smoke.
- ★ For pairs of wood doors, both active, interior or exterior
- 1/2" Inserts standard, Adjustable for 0" to 3/8" gaps.
- Replaceable Inserts: 1/2", 3/4", 1"
Inserts warranted life of installation

Seals between Pairs of Wood Doors



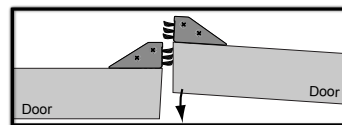
- Shallow Mortise:
29/32" wide x 5/8" deep



#AMA3-2 Mortise Astragal

#AMA3-2 x length
Available in 7 and 8 foot lengths standard, longer lengths and inserts available.
#AMA3-3 Available

- ★ Snap cover conceals fasteners



- Seals 0" to 3/4" gaps.
- Replaceable Inserts: 1/2", 3/4", 1"
Inserts warranted life of installation

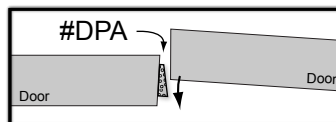


#SSDA3-3 Surface Astragal

#SSDA3-3 x length
3, 4, 7 and 8 foot lengths standard, other lengths & inserts available.
#SSDA3-2 Available
#SSDA-NS Narrow Stile

#DPA 1.00 Sound Plug/Weather Seal

- ★ Tapered design: 3/16" to 3/8" for beveled edge of door
- Self adhesive rigid backing is scored in 1/4" increments for "Select-A-Width": easy field separation to accommodate variances in gaps from top to bottom.

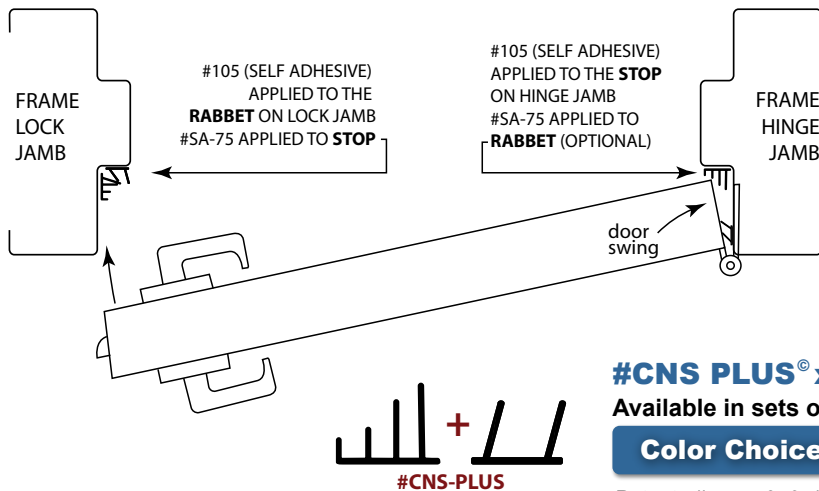


#DPA 1.00 x length
Up to 10 foot lengths available
3/16" to 3/8" thick x 1" wide:
Reduce to: 3/4", 1/2", 1/4"

ACTIVE LINK

View more information online at <http://dhsi-seal.com/astragals.htm>

#CNS PLUS - STC Seal *Get the highest operable STC in the industry*



- ★ **STC 44 on an STC 44 Panel!**
- ★ **Sextuple seal** for unsurpassed sealing range.
- ★ **Higher STC results**
 - Cost effective
 - STC Testing information available upon request
 - A frame sealing package, including the #105 and the #SA-75.

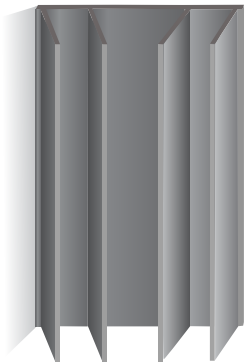
#CNS PLUS® x opening size

Available in sets of 3, 4, 7 and 8 foot lengths

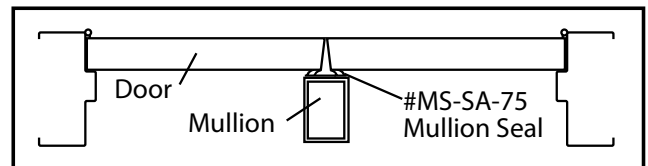
Color Choices: Off-White, Dark Brown and Black

Patents #5,577,349, #6,058,654, #6,266,924, #6,381,905, #8,209,909 and Patents Pending

#MS-SA75 Mullion Seal - Sound/Weather Seal



- Self Adhesive seal for weather and sound
- Available with Anti-Ligature option
- Adhesive defies removal
- Seals up to 1/4" gap/out of plum
- Easily collapses to less than 1/32"
- Designed to allow the door to close and latch without causing bind, providing secure latching

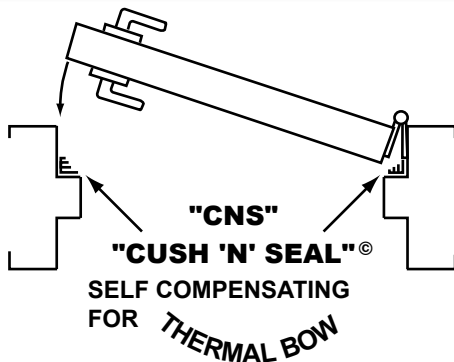


#MS-SA75 x length x color

#MS-SA75-B x length x color - "Breakaway"® option

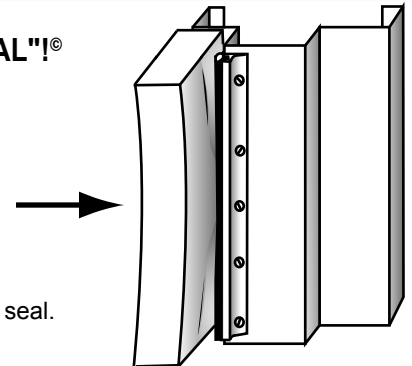
Color Choices: Off-White, Dark Brown and Black

Is Weatherstripping a Problem?



★ Use DHSI #105 "CUSH 'N' SEAL"!®

- Teardrop and straight seals do not compensate for thermal bow and out-of-plumb conditions.
- How can an ordinary bulb stop applied seal **possibly** compensate when a door moves?
- Use DHSI seals for a self compensating seal.



PATENTS #5,577,349, #6,058,654, #6,266,924, #6,381,905, #6,442,901 and pending

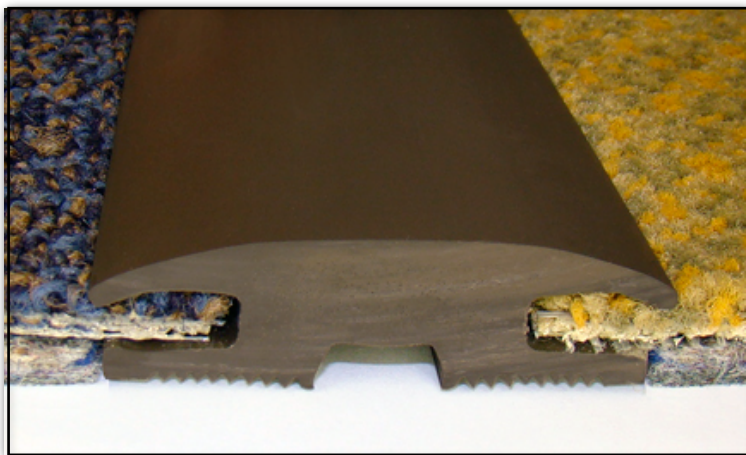
"Cush 'N' Seal"® offers the least resistance for closing, latching and locking.
Complete the openings with a choice of door bottoms and mortise or surface astragals.

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#FT 2.75 DHSI Threshold/Transition Strip



PATENT #7,062,881, 7,681,372 and PATENTS PENDING

- Solid color "class one" fire separation transition strip.
- Glue down, flexible recess with unique 'Carpet Tuck' feature. Does not "Pop Up" or lift up under weight.
- Eliminates seams, separates colors and patterns.
- Eliminates the need for carpet tack at the door opening.

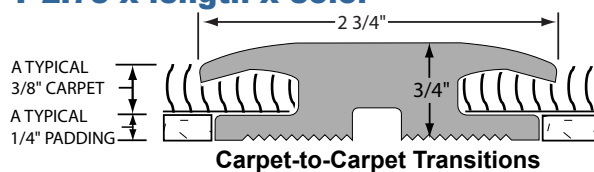
- Stock colors: Black, Dark Brown and Grey



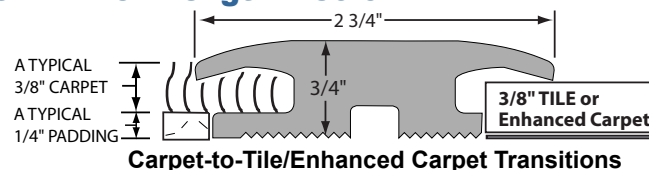
★ 27 CUSTOM COLORS AVAILABLE, contact DHSI for color palette and pricing



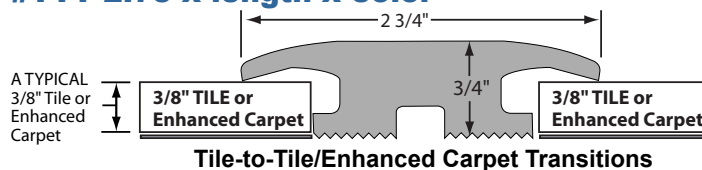
#FT 2.75 x length x color



#CTT 2.75 x length x color



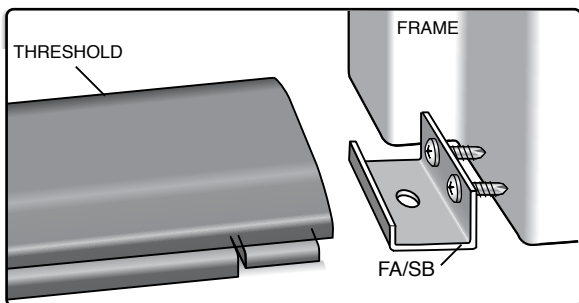
#TTT 2.75 x length x color



- Creates an ideal transition between different flooring surfaces.
- 2 3/4" wide x 3/4" high
- Available in 36", 48" and 72" lengths standard. Others available upon request.

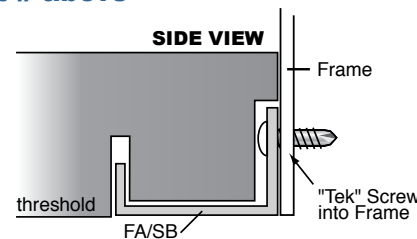
#FA/SB "Frame Alignment/Security Bracket"

- ★ The FA/SB assists the installer in establishing proper width and square. The FA/SB prevents spreading of the frame at base to disengage the auxiliary latch (anti-pick) and allow carding of lock.



Add "x FA/SB" to threshold part # above

- 1: FA/SB Attachment to frame
- 2: Use one threshold as template for setting all frames
- 3: Remove threshold during construction
- 4: Install glue down threshold over FA/SB bracket with carpet installation

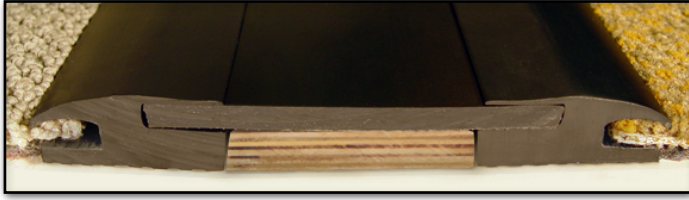


PATENT #7,062,881, #7,681,372, #8,418,426 and PATENTS PENDING

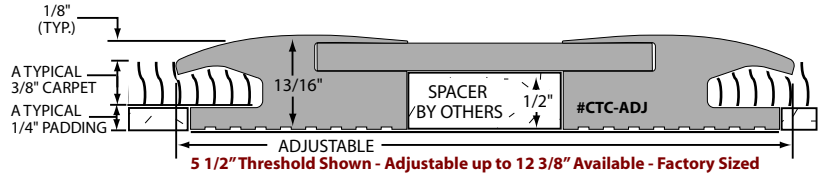
ACTIVE LINK

For more info go to <http://dhsi-seal.com/roomsecurity.htm> and link to "Break-In"

#CTC-ADJ Adjustable Threshold

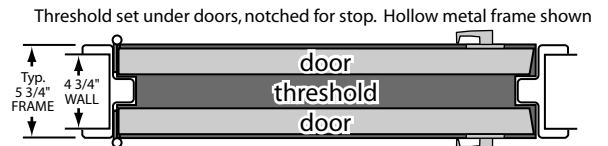
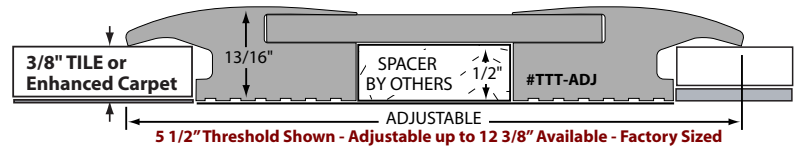


#CTC-ADJ x Size



- Solid color “class one” fire separation transition strip.
- Glue down, flexible recess with unique ‘Carpet Tuck’ feature. Does not “Pop Up” or lift up under weight.
- Adjustable up to 12 3/8" width. Factory cut to size.
- Used in conjunction with any DHSI door bottom: Surface, Mortise, or Security.
- Stock colors: **Black and Dark Brown**
CUSTOM COLORS AVAILABLE, contact DHSI
- Available in 36", 48" and 72" lengths standard. Others available upon request.

#TTT-ADJ x Size



Overall size of threshold is typically depth of frame

PATENTS #8,966,841, 8,186,114, 7,062,881, 7,681,372 and PATENTS PENDING

Other DHSI Thresholds/Transition Strips:

These transitions can be used in conjunction with any of the DHSI door bottoms. **Other transitions available.**

#HS-CT 3.50



Carpet-to-Concrete 3 1/2" x 3/4"

#HS-CT 2.75 VCT



Carpet-to-VCT Tile 2 3/4" x 3/4"

#CTM2



Carpet-to-wood/tile on cork
2 3/4" x 13/16"

#HS 2.75



Half Saddle Transition 2 3/4" x 1/2"

#HS 2.75 VCT



VCT Half Saddle Transition 2 3/4" x 1/2"

#FT Riser



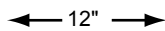
Spacers available if greater heights required
2 1/2" x 3/16"

#FS 5.5

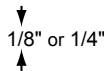


Full Saddle Transition 5" x 1/2"

#FLS 2.75



Fire rated frame levelling shim also levels the transition
at the same time - 2 3/4" width



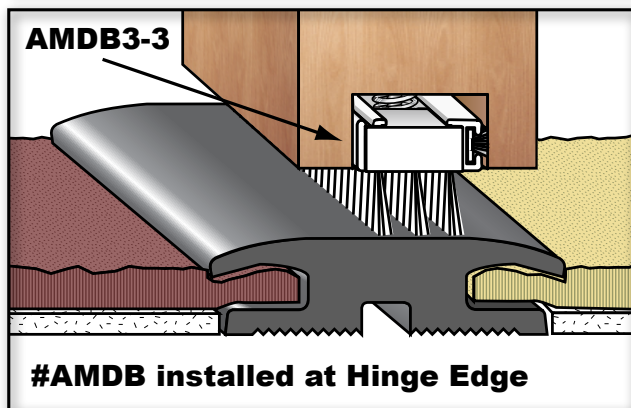
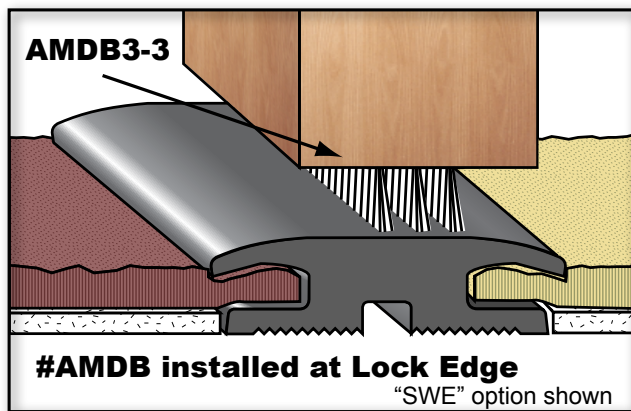
PATENT #7,062,881, #7,681,372, #8,418,426 and PATENTS PENDING

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#AMDB3 Auto-Adjust Mortise Door Bottom

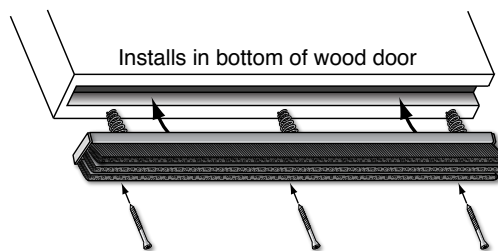


- ★ **#AMDB3-3** ————— 3 standard inserts
- #AMDB3-2** ————— 2 standard inserts
- #AMDB3-2 x AMU** — 2 "AMU" inserts
- Add "x SWE"** ————— Solid Wood Edge option



Listed with ITS (Warnock Hersey) for use on fire doors up to 90 min.

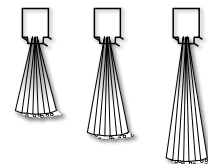
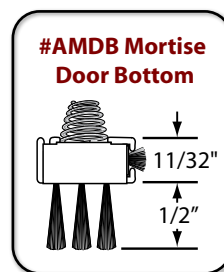
- ★ Eliminates damage caused by plunger-actuated auto door bottoms.
- ★ Double or Triple seal for sound or weather.
- ★ Fully Adjustable 1/4" \updownarrow for out of level floors
- Inserts warranted for life of the installation
- 1/2" standard flexible and durable inserts **Replaceable** for up to 1 1/4" gaps to extend range of sealing to match ANY undercut. **3/8", 1/2", 5/8", 3/4", 7/8", 1" inserts**
- Excellent replacement for worn out spring loaded automatic door bottoms.
- Uses Standard Bottom Rail - with mortise. Custom 5" rail may not be required.
- **"x SWE" Solid Wood Edge**
Mortise does not have to go through the lock edge of door.
- Twist-Lok conical springs stay in place. Stainless Steel corrosion resistance



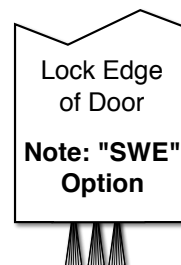
- ★ Available with the patented "AMU - Allowance and Means for Undercut" option: Allows air to pass. Still blocks light and offers sound attenuation.

Patent #6,442,901 & Patents Pending. Consult DHSI

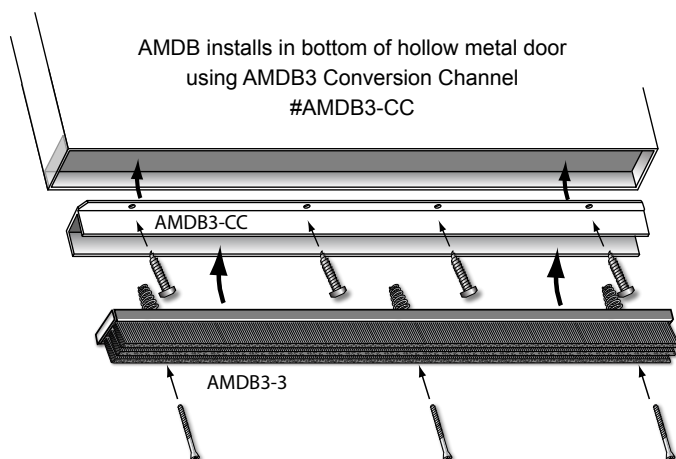
- ★ Use DHSI Architectural Details for submittals.



SOLID FINs AVAILABLE!

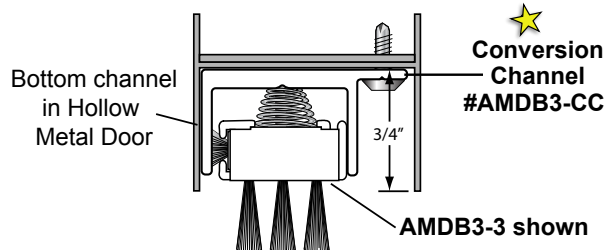


#AMDB3-CC Auto-Adjust Mortise Door Bottom x Conversion Channel



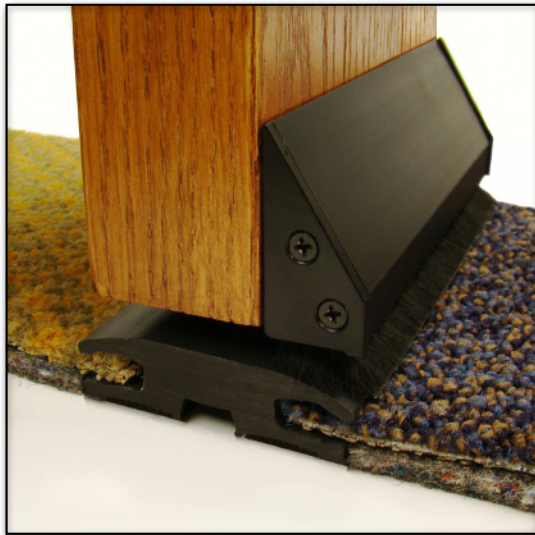
- ★ Conversion channel for installation in inverted channel in bottom of hollow metal doors. Door bottom and channel can be **factory precut and preassembled.**

- ★ **#AMDB3-3 x CC** ————— 3 standard inserts
- #AMDB3-2 x CC** ————— 2 standard inserts
- #AMDB3-2 x AMU x CC** — 2 AMU inserts

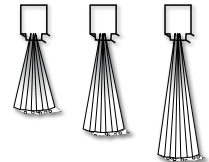


- ★ Use DHSI Architectural Details for submittals.

#SSDB3 Surface Door Bottom

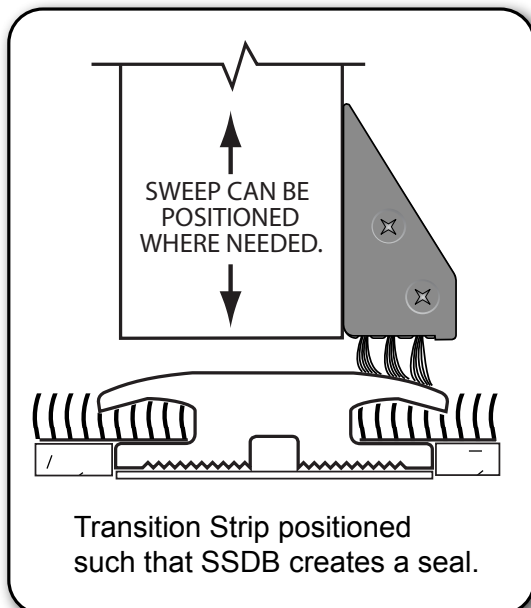


- ★ **Double or Triple** seal for sound or weather.
- ★ With Slide Cover, available in various finishes
 - Snap-On Cover allows SSDB to be used with Floor Pivots.
 - Fully Adjustable with Concealed Screw Attachment.
 - For wood, hollow metal or Aluminum door applications.
 - Can be mounted on hall side or room side.
 - 1/2" standard flexible and durable inserts **Replaceable** for up to 1 1/4" gaps to extend range of sealing to match ANY undercut. **3/8", 1/2", 5/8", 3/4", 7/8", 1" inserts**
 - Inserts Warranted for Life of the Installation.
 - Looks and strength similar to a kickplate, with built-in Rain Drip.



SOLID FINS AVAILABLE!

- ★ Use DHSI Architectural Details for submittals.



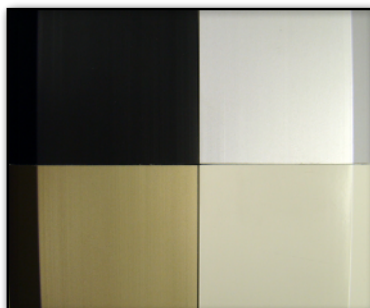
- ★ Available with the patented "AMU - Allowance and Means for Undercut" option: Allows air to pass. Still blocks light and offers sound attenuation.

Patent #6,442,901 & Patents Pending. Consult DHSI

#SSDB Color Choices:

Duronodic Dark Bronze

Anodized Aluminum



Anodized Champagne

Off-White

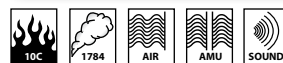
Colors may vary from actual parts due to printer or monitor settings

#SSDB3 Surface Door Bottom x opening size

- **#SSDB3-3** — 3 standard inserts
- **#SSDB3-2** — 2 standard inserts
- **#SSDB3-2 x AMU** — 2 "AMU" inserts

Available in standard 35 3/4" size or any factory cut-to-size option

Color Choices: Off-White, Duronodic Dark Bronze, Champagne and Anodized Aluminum

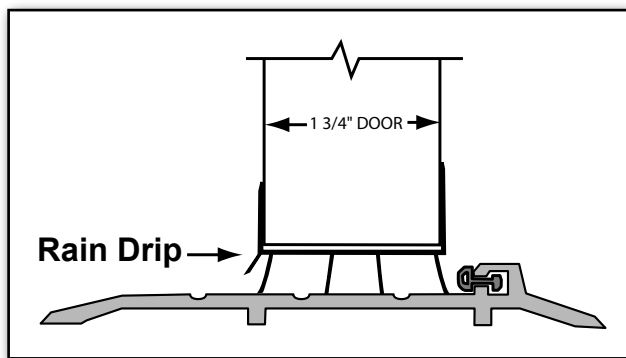


Listed with ITS (Warnock Hersey) for use on fire doors up to 90 min,

#CS Cap Sweep Door Bottom



- Available in Off-White, Dark Brown and Black.
- Typically sealing to a threshold or transition
- Request DHSI specific threshold detail for height, undercut and clearance dimensions.
- Use with DHSI half saddle threshold at typical stairwell details.
- Use DHSI Architectural Details for submittals.

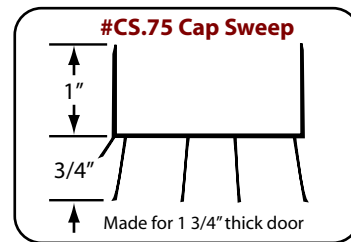
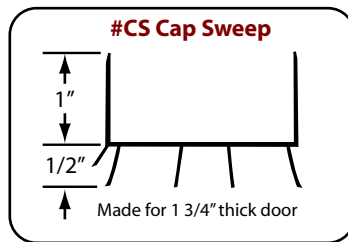


★ Also use for Exterior - outswing

- Use with 1/4" Flat Threshold standard
1/2" Lo-Rise Latch track optional

★ **Quadruple seal for sound or weather.**

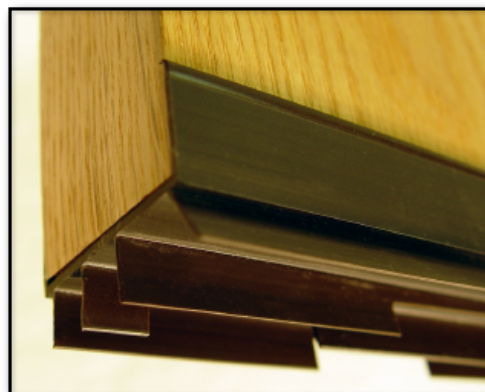
★ Fully Adjustable for out of level floors



★ Standard 1/2" fins and 1/2" adjustment.

1/4", 3/8", 1/2", 3/4" fins IN STOCK

- Eliminates need for spring loaded automatic door bottom when threshold detail rises above carpet (within ADA - as detailed).



★ Available with the patented "AMU - Allowance and Means for Undercut" option: Allows air to pass. Still blocks light and offers sound attenuation.

★ **Patent #6,442,901 & Patents Pending. Consult DHSI**

- **#CS36** ————— 35 3/4"
- **#CS48** ————— 47 3/4"
- **#CS36 x AMU-3** ————— 35 3/4" with 3 "AMU" fins
4 or 2 "AMU" fins available
- **#CS.75-36** ————— 35 3/4" with 3/4" fins
- **#CS.75-36 x AMU-3** — 35 3/4" with 3 "AMU" 3/4" fins

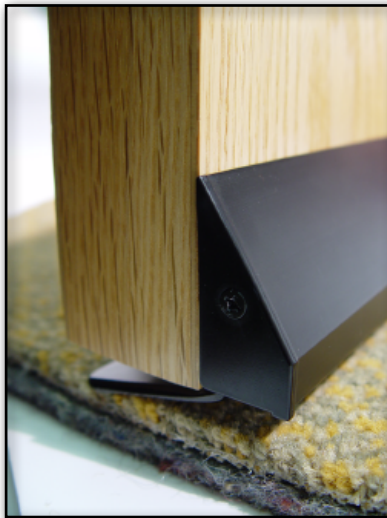
Color Choices: Off-White, Dark Brown, Black



Listed with ITS (Warnock Hersey) for use on fire doors up to 90 min

#SAS "SECUR-A-SEAL"® Security Door Bottom

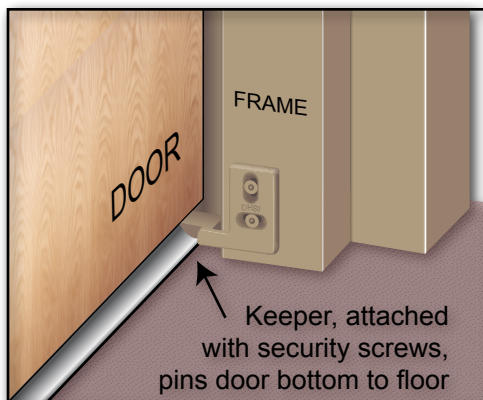
Combining security, smoke and STC requirements
For new and existing construction • NO mortising required



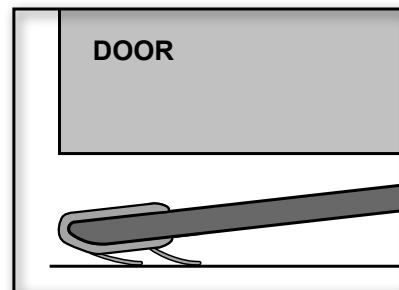
- Seals against light, noise, odor, smoke.
- Guards against fiber optic cameras, rodents, and Hook Tools.
- Also used on access control and secured openings at computer rooms
- Slide covers available in various finishes
- ★ Available with the patented "AMU - Allowance and Means for Undercut" option: Allows air to pass. Still blocks light and offers sound attenuation.
- ★ Use DHSI Architectural Details for submittals.
- **#SAS 36 x color x handing**
- **#SAS 36 x AMU x color x handing**
- Other sizes available

Color Choices: Off-White, Duronodic Dark Bronze, Champagne and Anodized Aluminum

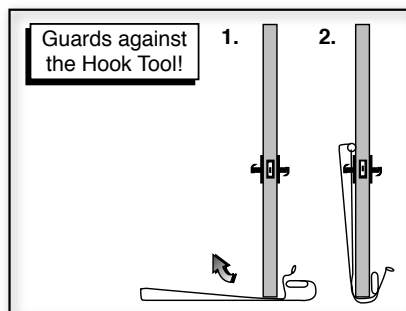
PATENTS #5,577,349, #6,058,654, #6,266,924, #6,381,905, #6,442,901 and pending



- Also available with leading edge seal for hard surfaces.



- Guards against illegal entry from the "Hook Tool"



- Excellent for rodent control in food storage areas



ACTIVE LINK

For more info link to <http://dhsi-seal.com/securaseal.htm> and see the "Hook Tool"

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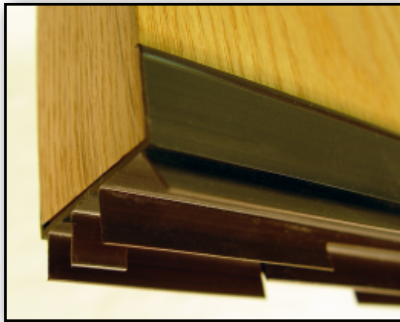
#AMU® "Allowance and Means for Undercut" Option

- Allows air to pass for positive pressure hallways with "air recovery" HVAC Design; or for bathroom fans and/or PTAC units requiring a non-ducted air supply.
- Blocks light and offers sound attenuation.
- ASK DHSI for CFM testing information
- Fins are notched such that there is a 1/2" overlap. See drawings below.
- #CS Cap Sweep 3 fin notched standard. Available with 2, 3 or 4 notched fins.
- #AMDB3 Mortise and #SSDB3 Surface door bottoms are notched similarly.
- #SAS door bottom has elongated holes to facilitate airflow. Quantity of holes can vary.
- ★ Not just for hotels! Also used on Schools, offices, apartments, etc.!
- ★ Use DHSI Architectural Details for submittals.

All DHSI door bottom seals are available with the patented "AMU"® option.

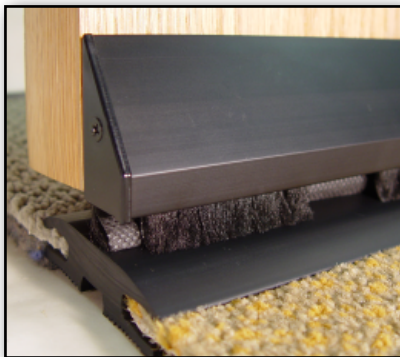
Cap Sweep with AMU option:

- **#CS 36 x AMU-3 =**
35 3/4" Cap Sweep with 3 fin AMU



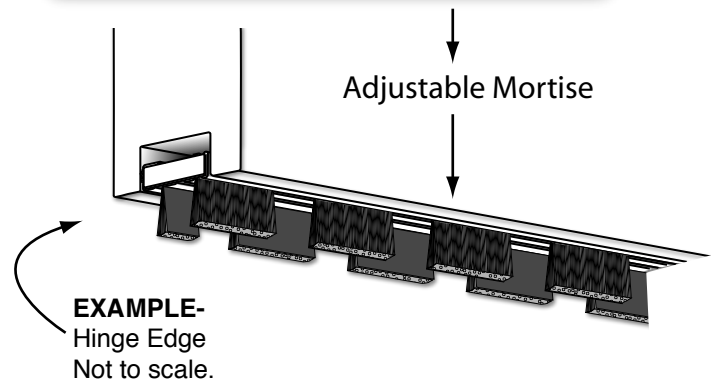
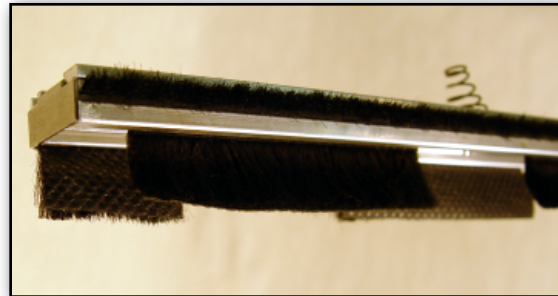
SSDB3 Surface Door Bottom with AMU option:

- **#SSDB3-2 x AMU =**
35 3/4" SSDB3 with 2 fin AMU



AMDB3 Mortise Door Bottom with AMU option:

- **#AMDB3-2 x AMU =**
35 3/4" AMDB3 with 2 fin AMU



SAS with AMU option:

- **#SAS 36 x AMU:**
Consult Facory. Special Application.

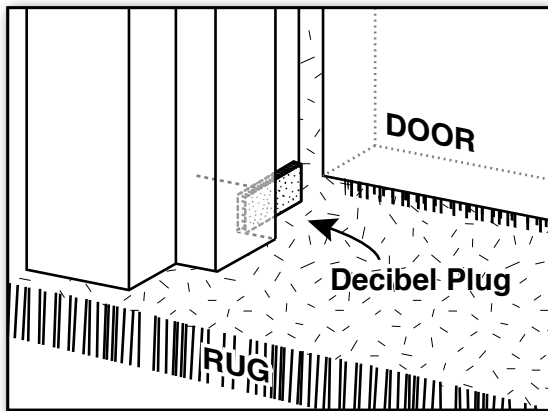
#AMU: Add "x AMU" to any door bottom



PATENT #6,442,901 and PATENTS PENDING

#DP Decibel Plug

Also known as "Dust Plug" for smoke/air



- Used to seal the bottom corners of the door for sound and smoke.
- Seal from the bottom of the door to the flooring surface on the rabbet.
- Used with all standard DHSI Door Bottoms where a higher STC rating is desired, and exterior applications.

#DP .250 — 1/4" x 12" for 12 openings

#DP .375 — 3/8" x 12" for 12 openings

Also used as a sound/smoke center seal at DOUBLE EGRESS FRAMES AT HEADER #DP .375 APPLIED TO THE RABBET

Specify #105 x SA x DP .375 at double egress frames for a complete seal!

- Sold in 12" lengths. Cut to size in field.
- Adhesive-backed and easy to install.

Architectural Details for "submittals": eliminate sales "cut sheets"

- Suggested to be used with a standard submittal
- Details can now be completed electronically. No Printing or faxing! Just hit 'send'.

Only DHSI has architectural details for the complete range of sealing system solutions helping contractors and distributors eliminate costly errors as commonly found in transition changes such as tile, carpet or VCT; color selection changes in door bottom, frame seals, transition strips (thresholds); undercut requirements for HVAC, etc.

Ask for sample details (from over 150) such as a mortise door bottom with "Solid Wood Edge (SWE)" and a marble threshold or for some specific requirement. Custom details available at no charge.

ACTIVE LINK

Send e-mail to DHSI requesting further information on Architectural Details

Sample Detail:

Room Side

1 3/4" DOOR

HINGE EDGE OF DOOR SHOWN

Hall Side

AS SHOWN SWEEP ADJUSTABLE 1/4" UP AND 3/16" DOWN

RECOMMENDED DOOR BOTTOM CLEARANCE:

1/4" or 3/8" if AMU

1/8" (TYP.)

A TYPICAL 3/8" CARPET

A TYPICAL 1/4" PADDING

RISER IF DESIRED

#FT 2.75

2 3/4"

3/4"

#AMDB Mortise Door Bottom

OTHER LENGTHS ARE AVAILABLE AND FIELD REPLACEABLE.

SOLID WOOD EDGE OPTION

SWE: Mortise ends before edge of door on lock edge. This allows edge of door to remain flush.

DOOR UNDERCUT

CONFIRMED BY DISTRIBUTOR

FT 2.75 THRESHOLD 3/4"

OTHER THRESHOLD (ACTUAL HEIGHT)

RISER (IF USED) +

CLEARANCE - SEE DRAWING +

= UNDERCUT OF DOORS =

ACTUAL WIDTH OF DOOR

OPTIONAL: QTY REQUIRED

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#SAL "Secur-A-Latch"® Privacy Keeper

- Keep guests from (illegally) propping open entry fire doors
- Prevent Accidental Lock Out from the Conventional Flip-Latch
- ADA and NFPA 80 2007 code compliant
- Also specified for use in preschool, daycare, development centers to prevent unwanted exit.

PATENT #6,244,636 and Pending

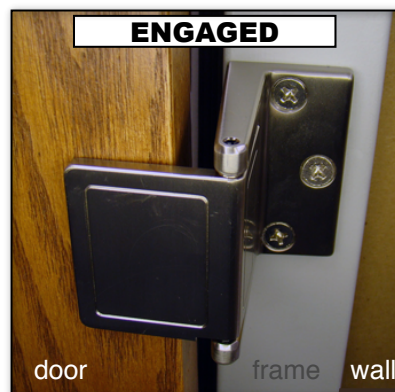
Are hotel guest complaints and door damage caused by doors hitting a privacy guard a problem?

**ACTIVE
LINK**

View animated demonstration online at <http://dhsi-seal.com/securelatch.htm>



Spring holds "SAL" in unlocked position
Push to engage and secure.



Magnet holds "SAL" in locked position.
Prevents door from opening.



"Touch release"® to disengage magnet.
Also disengages quietly upon door closing.
Spring resets "SAL".

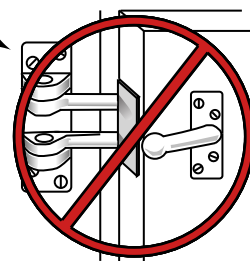
Eliminate the flip guard

- the biggest "problem product" in the industry:

The Conventional **Flip Latch** Privacy Keeper is **not compliant** per NFPA 80.

This applies to new **and** existing openings.

Use the #SAL instead!



"Secur-A-Latch" eliminates door damage, edge guards, noise complaints, adjustments and is **CODE COMPLIANT**.

★ Makes a door code compliant - for fire code and ADA ★

★ Can't prop door open - for NFPA 80 code compliance

- Quietly Disengages- If guests try to prop door open
- No damage to door face or edge, or adjacent closet doors
- Available in various Architectural Finishes:
US3, US4, US10, US10B, US15, US17, US26, US26D
- Code compliant hold-open option for unoccupied rooms

★ Touch release for ADA

- Emergency Bypass satisfies Life Safety
- Fast Retrofit
- Compact Size: 2 5/8" x 1 1/2"
- Self-Adhesive Decals available to cover existing holes
- Use in preschool, daycare, etc for unwanted exit.
- Can be used on OUTSWING doors

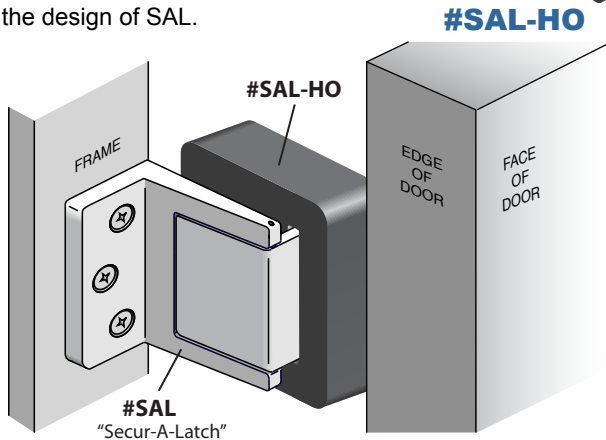
#SAL x Finish

● Specify with DHSI Patented "Cush 'N' Seal" Frame Seals and Door Bottoms

#SAL-HO "Secur-A-Latch" Hold Open

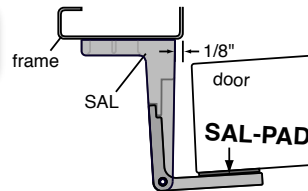
- Allows user to hold the door open without causing door or hardware damage
- Foam stop with slit made to slip on the #SAL "Secur-A-Latch" Privacy Keeper
- A special tool exclusively for use by service personnel maids, etc. for when rooms are out-of-service and unoccupied.

★ Note: the hold-open is not inherent in the design of SAL.



#SAL-PAD Cush Pad for SAL

- Optional pad for #SAL if desired

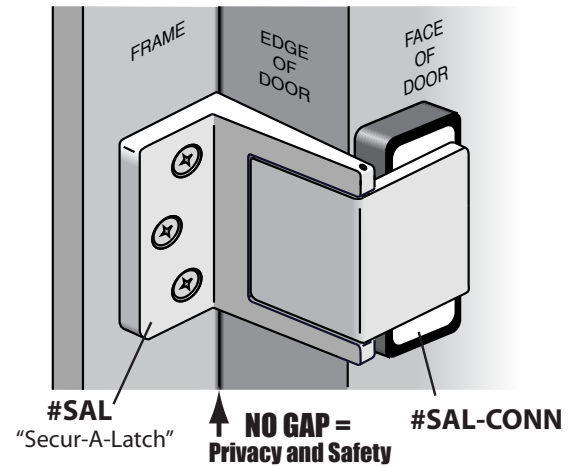


#SAL-CONN Connecting Room Stop

- Does not allow opposite guest to see past the door.
- Deadbolt warning label for security.
- Does not allow easy hooking of the lever to enter when the opposite guest forgets to engage the deadbolt!!



#SAL-CONN



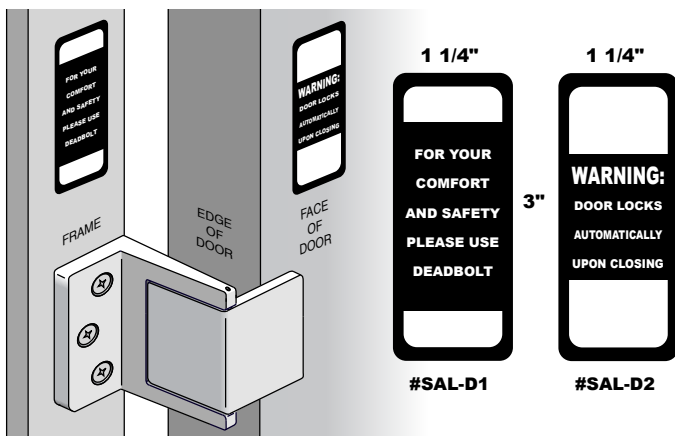
DHSI "Secur-A-Latch"
PATENT #6,244,636 and Pending

#SAL-D1 and D2 Decals for Retrofit

- The decals cover the holes left in the door and frame from the 'swing-bar' door latch, especially when the #SAL is mounted at 48" or less from the floor to meet current ADA guidelines.

#SAL-D1 = "For your comfort and safety..."

#SAL-D2 = "Warning: door locks automatically..."

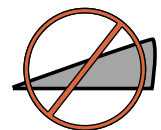


#DS "DoorSaver" Door Stop/Hold Open

- Holds door open without having to bend over to engage or disengage and pick up the stop.
- For use by Housekeepers, Chief Engineers, etc.
- Non-Skid: Works with Tile, Laminate, Concrete and Carpeted floors.



- For use when a room is out-of-service and unoccupied.



- Does not cause damage to the door like 'wedge' style door stops

#DS DoorSaver

- Consult DHSI for convenient bypass operation for emergency ingress.

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Performance based specifications and Warranty

At issue: Life Safety, security and comfort.

Would your client expect that the specifications require:

- A Manufacturer provide evidence the products will work in the field under industry allowable tolerances for warp and out-of-plumb?
And still keep torque on the lever under 15 inch pounds?
- A warranty that the sealing products will also meet related inspection requirements for NFPA 80?

**ACTIVE
LINK**

View entire CSI based specifications at <http://dhsi-seal.com/specifications.htm>

NFPA 80:

- Protect your client's future: Ask DHSI for a re-cap of NFPA 80 and related codes which also apply to existing as well as new construction.

**ACTIVE
LINK**

Send e-mail to DHSI requesting further information on NFPA 80 and related codes

DHSI "Program of Field Quality Assurance" for new and existing construction

Would your client expect "Manufacturer's Qualifications" require:

- A Manufacturer provide a program acceptable to the architect and owner for inspecting door and frame tolerances in the event problems occur in the closing, sealing and latching of the doors.
- The program should quantify, qualify and provide solutions.

**ACTIVE
LINK**

View the forms complete at <http://dhsi-seal.com/inspectionforms2014.htm>

Other products are available. Consult DHSI if you need a solution.

- ★ DHSI: 24 hour shipments of most any size order, anywhere in the USA.
Centralize your property standards and contacts and eliminate re-inventing the wheel in each city.

Product Index

Page #1	Overview of DHSI Sealing Systems	Page #9	#SSDB Surface door bottom
Page #2	#105 "Cush 'N' Seal" frame seals	Page #10	#CS Cap Sweep door bottom
Page #3	#105-B "Breakaway" and STC ratings	Page #11	#SAS "Secur-A-Seal" Security Door Bottoms
Page #4	#SA Surface and #AMA Mortise Astragals	Page #12	#AMU "Allowance and Means for Undercut" option
Page #5	#CNS-PLUS STC seal and #MS-SA75 Mullion Seal	Page #13	#DP Decibel Plug and Architectural Detail info
Page #6	#FT, CTT and TTT Thresholds and #FA/SB brackets	Page #14	#SAL "Secur-A-Latch" Privacy Keeper
Page #7	#CTC-ADJ Thresholds and others	Page #15	#SAL "Secur-A-Latch" accessories
Page #8	#AMDB3 Adjustable mortise door bottoms	Page #16	"Performance" based specifications and Warranty

**ACTIVE
LINK**

***Go online for full color brochure at <http://dhsi-seal.com/brochure.htm>
From the cover page, quickly navigate the **ACTIVE LINKS** shown.***

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Contact Person: Robert Rissone, President

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Website: dhsi-seal.com e-mail: info@dhsi-seal.com