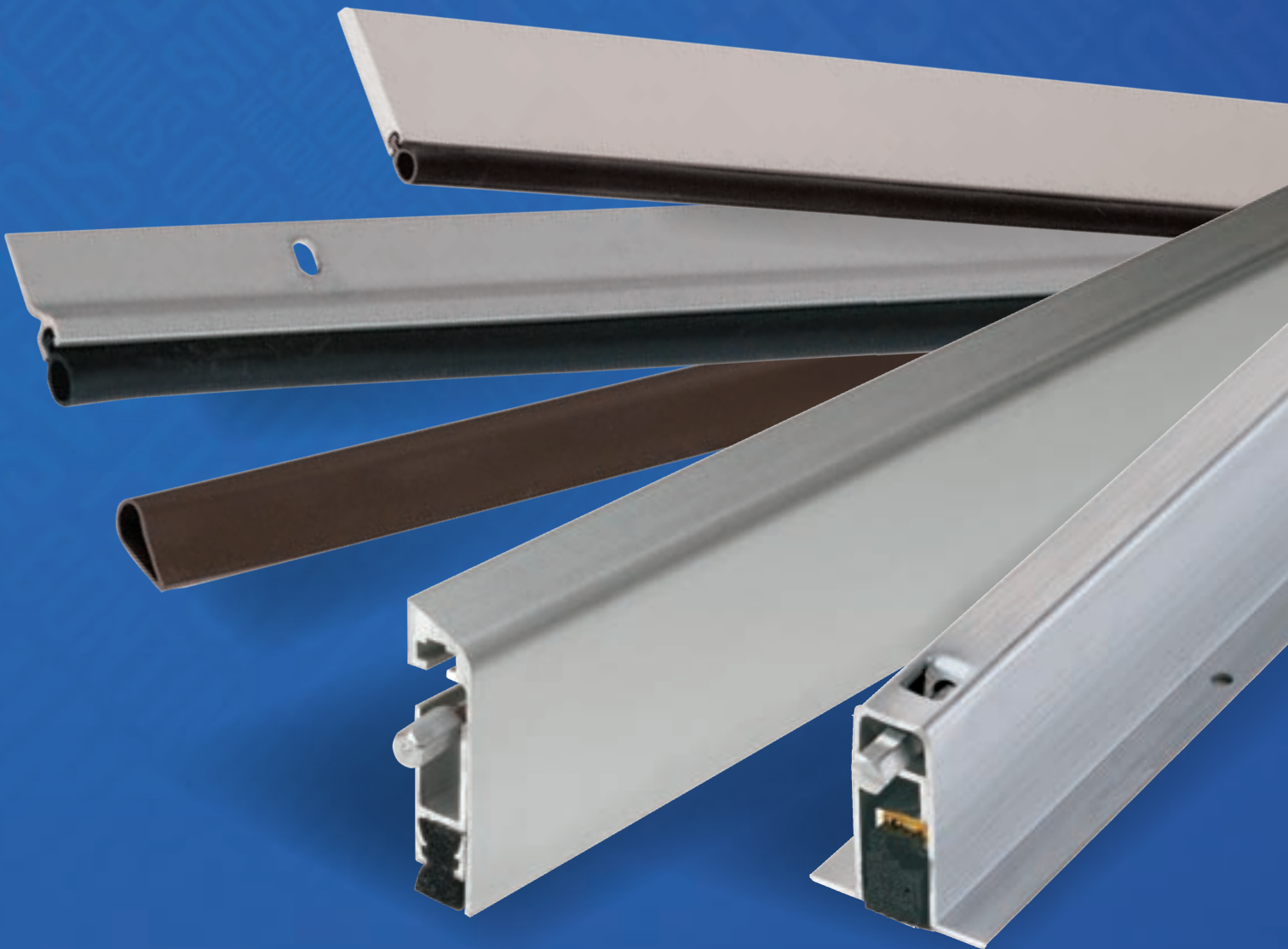




SEALS

GASKETING &
AUTOMATIC DOOR BOTTOMS



NCP-CAT-GAS-0125-A



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99T6.....	G45	161V.....	G20	I-615.....	G26	81369.....	G51
101V.....	G48	162S.....	G24	I-616.....	G26	FATT.....	G14
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108N.....	G21	172N.....	G22	A625.....	G25		
109N.....	G55	172S.....	G24, G29	A626.....	G25		
110N.....	G21	172V.....	G20, G29	C627.....	G49		
110S.....	G23	176.....	G55	OV633.....	G26, G49		
112N.....	G43	178.....	G55	OV634.....	G26, G49		
113N.....	G43	185P.....	G20	A635.....	G57		
114.....	G55	189M.....	G54	D648.....	G25		
115N.....	G52	197N.....	G47	672.....	G29, G48, G53		
118N.....	G43	198N.....	G47	672N.....	G47, G52		
119N.....	G43	199N.....	G47	672P.....	G29		
120N.....	G21	200N.....	G47	673.....	G48		
120S.....	G23	200S.....	G47	674.....	G48		
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122N.....	G21	201N.....	G47	678.....	G48		
122SS.....	G30	202N.....	G47	679.....	G48		
125N.....	G52	203N.....	G47	680.....	G37		
125SS.....	G30	220.....	G35	682.....	G39		
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127S.....	G23	222.....	G35	C697.....	G50		
127SS.....	G30	223.....	G37	D698.....	G50		



MORE THAN
— JUST A —
**PRETTY
FACE**

We've got the products AND
THE SERVICE to back it up!

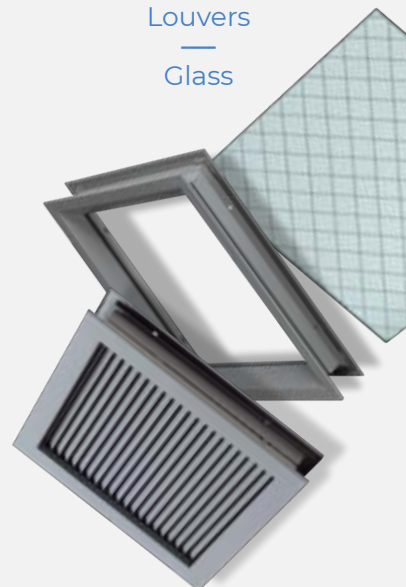
SEALS

—
Thresholds
—
Gasketing
—
Door Bottoms



LITES

—
Lite Kits
—
Louvers
—
Glass



HINGE

—
Aluminum
Continuous Geared
—

Stainless Steel
Pin & Barrel



SLIDING

—
Stainless Steel Barn
Door Track
—

Aluminum
Multi-family

—
Aluminum
Commercial



GAPGUARD

—
Gap90™

—
9590

—
9990



RATINGS

RATING SYMBOLS LEGEND



POSITIVE PRESSURE - CERTIFIED by UL to ANSI/UL10C; complies with IBC, NFPA 80 and NFPA 252 for application to hollow metal fire doors rated up to 3 hours, and wood fire doors rated up to 90 minutes (some ratings vary as noted).



CERTIFIED by UL to CAN/ULC-S104 and ANSI/UL10B; complies with NFPA 80 and NFPA 252 for application to hollow metal fire doors rated up to 3 hours, and wood fire doors rated up to 90 minutes (some ratings vary as noted).



NGP-EDGE® SEALING SYSTEM, CERTIFIED BY UL TO ANSI/UL10C CATEGORY 'G'; required for Category B wood fire doors to meet positive pressure requirements complying with IBC, and NFPA 252. See individual products for maximum door size and ratings.



SMOKE & DRAFT CONTROL GASKETING, CERTIFIED BY UL TO ANSI/UL10C AND ANSI/UL 1784 CATEGORY 'H'; complies with IBC and NFPA 105 for use on 'S' labeled positive pressure hollow metal fire doors rated up to 3 hours, and wood fire doors rated up to 90 minutes (some ratings vary as noted).



ACOUSTICAL TESTED to ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements, and ASTM E2235 Standard Test Method for Determination of Decay Rates for use in Sound Insulation Test Methods.



AIR INFILTRATION TESTED to ASTM E283, Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.



ANTI-MICROBIAL. Treated with an anti-microbial additive to inhibit the growth of microorganisms.



ANSI/BHMA CERTIFIED. Certified gasketing complies with American National Standard for Door Gasketing and Edge Seal Systems ANSI/BHMA A156.22, and is listed in the BHMA Certified Products Directory.



Online product listings: ul.com/database



LEED GREEN BUILDING

LEED (Leadership in Energy and Environmental Design) Green Building Rating System® is a national standard for developing high-performance, sustainable buildings developed by the U. S. Green Building Council. This letter highlights the eligible LEED V.4 point contributions for National Guard Products.

MRc2 Building Product Disclosure and Optimization - Environmental Product Declaration (EPD)

National Guard Products is able to provide Type III Product Specific Environmental Product Declarations for its Threshold, Gasketing, Lite Kits, Louvers and Continuous Geared Hinge products. The EPDs can be found at: ngp.com/epds.

MRc3 Building Product Disclosure and Optimization - Sourcing of Raw Materials

National Guard Products is able to provide a third party reviewed corporate sustainability report that includes the environmental impacts of extraction operations and activities associated

with National Guard Products' supply chain. This report was created using the Global Reporting Initiative (GRI) Sustainability Reporting framework and satisfies MRc3 Option 1. The report can be found at: ngp.com/report.

For Option 2 of the MRc3 credit, products purchased from National Guard Products are eligible to participate in the NGP Extended Producer Responsibility Program, RE-NGP managed by National Guard Products.

Additionally for Option 2 of the MRc3 credit, average percentages of recycled materials utilized in and contained in NGP products may be found at: ngp.com/leed.

MRc4 Building Product Disclosure and Optimization - Material Ingredients

National Guard Products is able to provide product specific Health Product Declarations Product Specific for its Threshold, Gasketing, Lite Kits and Louver products. The HPDs can be found at: ngp.com/hpds.

BUY AMERICAN REQUIREMENTS

Buy American Act

Over 99% of our products are produced in the United States as a domestic construction material, as defined in the Buy American Act (BAA) of March 1933 and amended by the Buy American Act of 1988 and FAR 52.225-9. A Buy American certificate may be obtained on our website ngp.com.

Buy America

Most of our products comply with Buy America Requirements of 49 U.S.C. 5323(j)(1), and the applicable regulations in 49 CFR part 661. Contact us for a Certificate of Compliance for your project.

Components of unknown origin are considered to have been produced or manufactured outside the United States.

Build America, Buy America

Many of our products comply with the Infrastructure Investment and Jobs Act, Build America, Buy America requirements. Contact us for a Certificate of Compliance for your project.

MATERIALS

Metal retainers for gasketing are Aluminum Alloy 6063, T5 temper, unless noted.

Architectural Bronze gasketing is Alloy CDA 385 (Copper Alloy No. C38500), Architectural Bronze.

Stainless steel gasketing is Type 304, known for its excellent corrosion resistance, high tensile strength and resistance to oxidation.

NGP utilizes a variety of gasketing materials including Vinyl, Neoprene, Silicone, Nylon Brush, Thermoplastic Elastomers (TPE), Thermoplastic Vulcanizates (TPV), Polypropylene Pile, Ethylene-Propylene-Diene-Monomer (EPDM), Polyurethane, and Intumescent Fire Seals. Product illustrations indicate the gasketing material. Properties of many primary gasket materials are listed on the perimeter seal catalog pages.

Adhesive mounted gasketing utilizes a pressure sensitive modified acrylic adhesive protected by a release liner. Once installed it provides a permanent bond in exterior or interior locations. End use temperature range is -30°F up to 250°F. Shelf life of adhesive prior to installation is one year when stored at 75°F and 50% relative humidity or less.

GASKETING FINISHES

Material	Finish	ANSI/BHMA Finish	US Finish	NGP Suffix
Aluminum:	Mill Finish	ANSI/BHMA 719	US27	None
	Anodized Aluminum	ANSI/BHMA 628	US28	A
	Dark Bronze/Black Anodized	ANSI/BHMA 711	US19	DKB
	Polished	ANSI/BHMA 717		POL
Stainless Steel:	Brushed (#4)	ANSI/BHMA 630	US32D	None
Gasket Materials:	Neoprene is Black			N
	NGP-TPV is Black			N
	Polyurethane is Black			U
	Vinyl is Black, except where noted as Gray			V
	Silicone colors: Black, Brown, Clear, White			S
	Thermoplastic is Brown			T, T6
	Nylon Brush colors: Black, Gray			
	TPE colors: Brown, Charcoal, Clear, White			
	Polypropylene Pile is Gray			
	EPDM is Black			

UNDERSTANDING SOUND TRANSMISSION CLASS



The Sound Transmission Class (STC) is a single-number rating of the ability of a material or an assembly to resist airborne sound transfer at the frequencies 125-4000 Hz. In general, a door system with a higher STC rating blocks more noise from transmitting through an opening.



VERY POOR

LOW SPEECH
AUDIBLE



POOR

NORMAL SPEECH
UNDERSTOOD EASILY
AND DISTINCTLY



FAIR

LOUD SPEECH
UNDERSTOOD
FAIRLY WELL



GOOD

LOUD SPEECH
HEARD BUT HARDLY
INTELLIGIBLE



VERY GOOD

LOUD SPEECH
HEARD FAINTLY



EXCELLENT

LOUD SOUNDS
HEARD FAINTLY
OR NOT AT ALL

SOURCE ROOM

80dB

SOUND PRESSURE LEVEL 80 DB



STC 39 DOOR

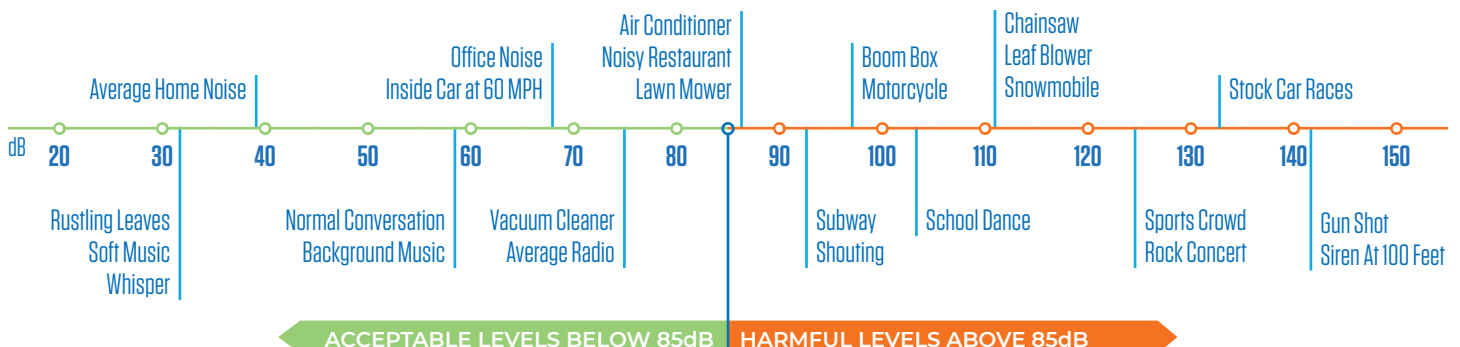
RECEIVING ROOM

41dB

SOUND PRESSURE LEVEL 41 DB



NOISE LEVELS



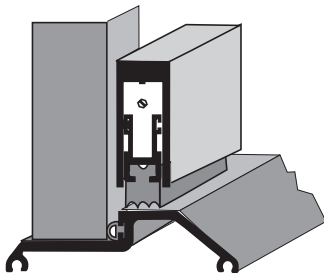
No matter what the STC door rating may be, it cannot perform without the proper STC Gasketing. Sound leaks from the perimeter of the door just like a draft of air.

SOUND TRANSMISSION CLASS (STC)

RATED SINGLE DOOR ASSEMBLIES

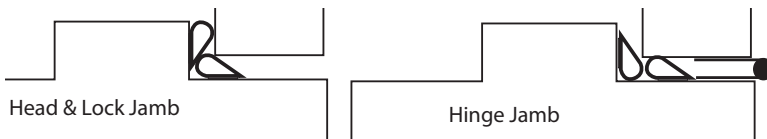
The chart below indicates the STC Rating of specially made acoustic doors using various applications of gasketing. The first column is the rating of the door panel only, tested in a static inoperable condition to determine the sound transmission through the door. The second column is the rating of the operable door installed with hardware and gasketing which provides the STC Rating of the door assembly.

Acoustical testing to ASTM E90 Standard Test Method for Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements, ASTM E2235 Standard Test Method for Determination of Decay Rates for use in Sound Insulation Test Methods, and ASTM E1332 Standard Classification for Rating Outdoor - Indoor Sound Attenuation. The Sound Transmission Class (STC) was calculated in accordance with ASTM E413 Classification for Rating Sound Insulation.



897N x 420N

• Indicates Two Rows of 5050 Installed as Follows:



STC Rating Static Door Panel	STC Rating Operable Door w/ Gasketing	Perimeter Seals	Door Bottom	Threshold
30	30	103N, 107N, 120N, 122N 127N, 133N, 134N, 137N 137S, 303N, 700N, 700S	420N	897N
30	30	130S	225S	896S
30	30	107S	220S	950S
33	31	5020	780S	513
35	33	5020	780S	513
36	33	5050	335N	513
35	34	5020, 5075	780S	513
35	35	5070, 9750	335S	896S
40	37	5020	780S	513
40	37	5075	12T	513
40	37	103N, 107N, 303N	420N	897N
40	38	•(2) 5050	335N	896S
40	39	120N, 134N, 137N, 137S, 700N, 700S	420N	897N
40	39	107S	220S	950S
44	39	1038N, 3038N	423N	896S
43	39	•(2) 5050	420N	412
42	40	•(2) 5050	Mortise 312V	896S
43	40	•(2) 5050	423N	896S
47	41	103NFS	422N	897N
45	42	•(2) 5050	335N	896S
47	43	•(2) 5050	423N	896S
50	43	103N, 134N	420N	897N
50	43	107S	220S	950S
51	43	159M	420N	897N
48	44	•(2) 5050	423N	896S
49	44	103NFS	422N	8434S
52	44	107N, 1038N, 3038N	420N	897N

STC SEAL SETS

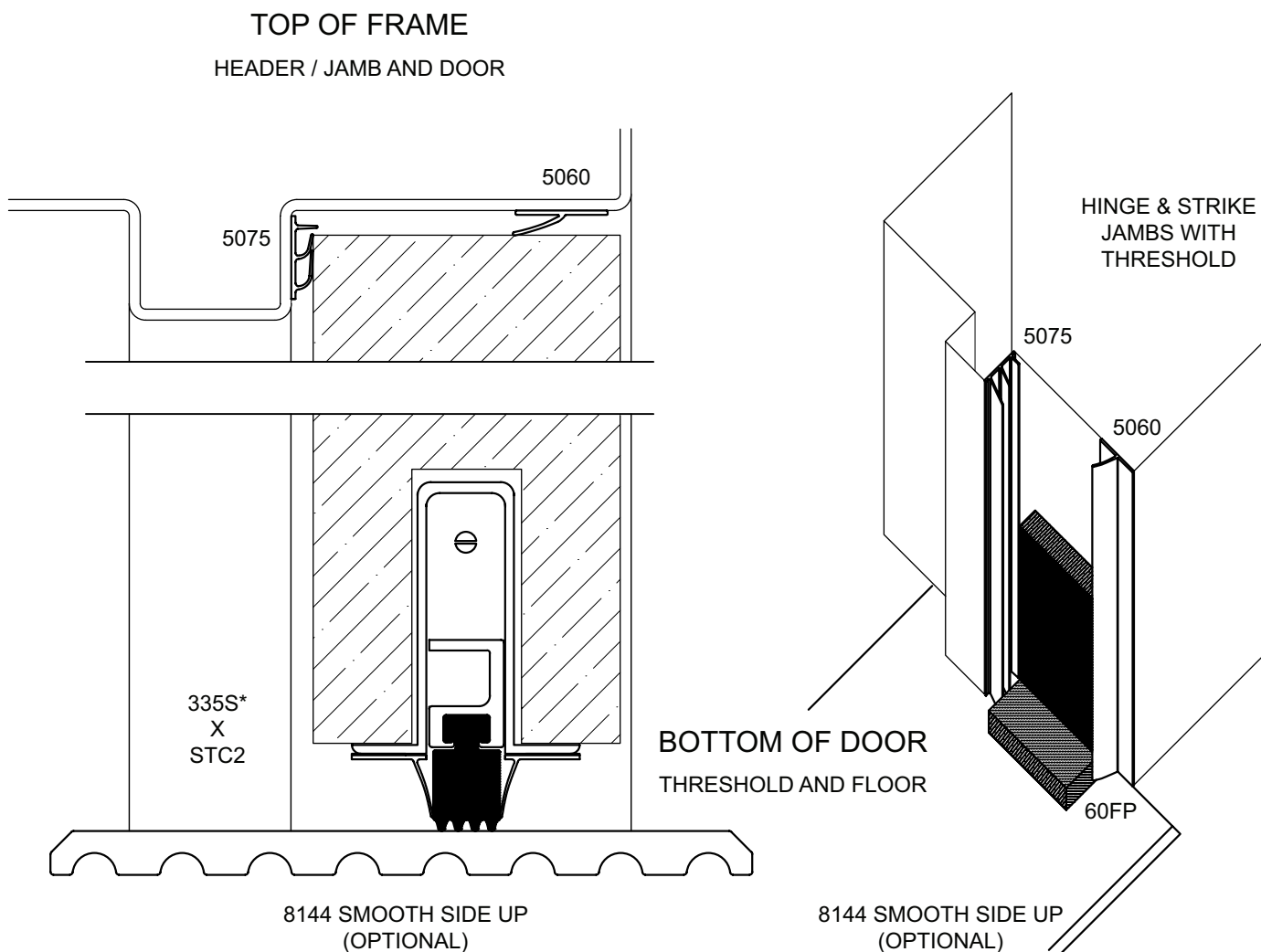
SINGLE DOORS

NGP Seal Sets maintain the static door panel STC with NO DROP OFF in an operable condition, up to the STC Rating indicated.

STC Seal Set	STC Rating	Perimeter Seals at Heads & Jambs	Door Bottom	Corner Pads	Threshold
1	33	5050 & 2525	312V X 131N	60FP (2 req.)	8144S*
2	45	5075 & 5060	312V X 131N	60FP (2 req.)	8144S*
3	52	5075 & 5060	335S X STC2	60FP (2 req.)	8144S*
4	52	5075 & 5060	12T6 X STC-FH	60FP (2 req.)	8144S*
5	52	5075 & 5060	225S X STC2	60FP (2 req.)	8144S*
6	52	5075 & 5060	None	None	896S-ADJ

*optional

STC Seal Set 3 Illustration



*For Best Acoustic Results a 1/4" Drop is Recommended; 3/8" Drop Maximum

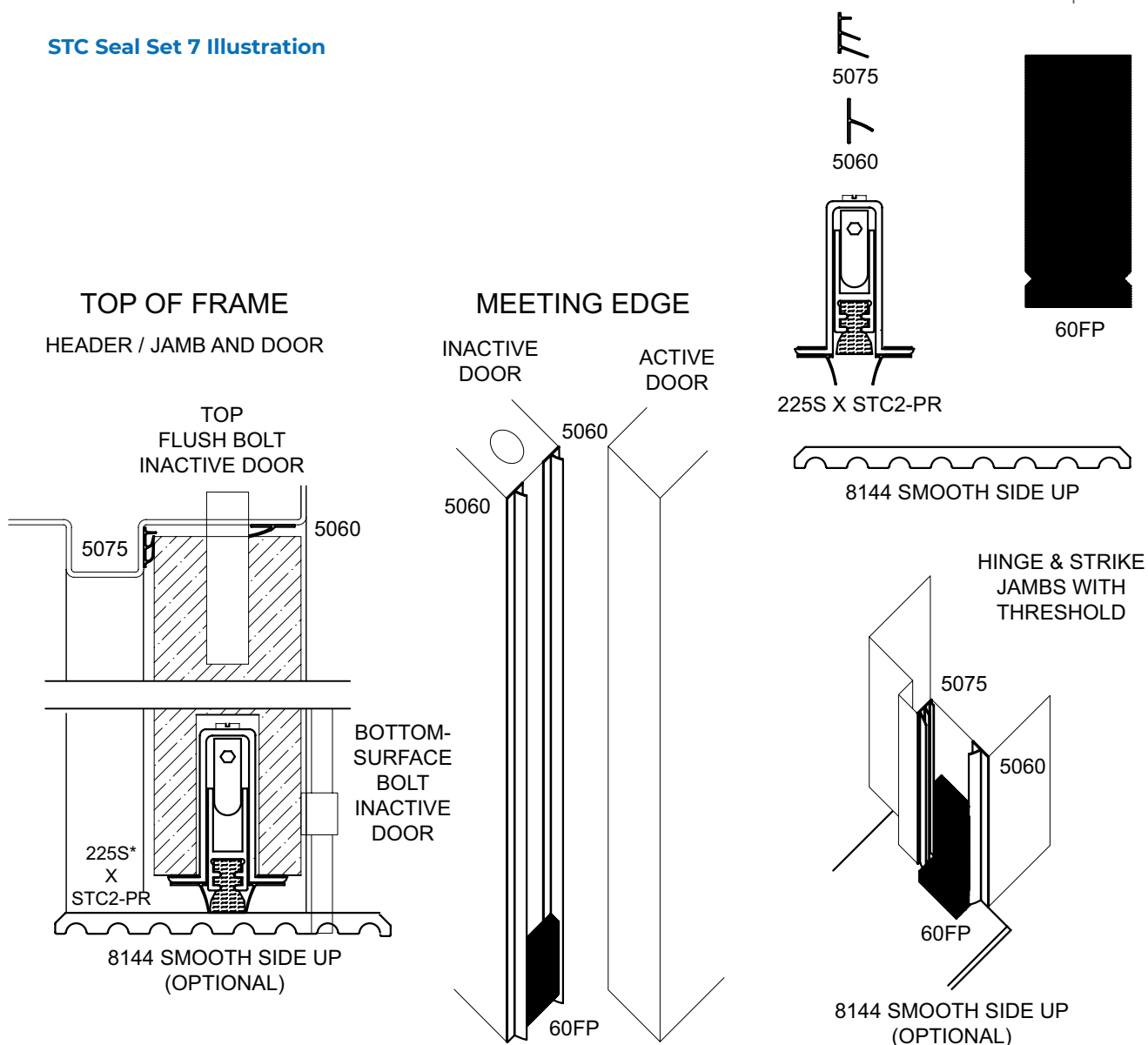
STC SEAL SETS

PAIRS OF DOORS

STC Seal Set	STC Rating	Perimeter Seals at Heads & Jambs	Door Bottom	Corner Pads	Meeting Edge Seals	Threshold
7	45	5075 & 5060	225S X STC2-PR	60FP (3 req.)	5060 (2 req.)	8144S*
8	45	5075 & 5060	12T6 X STC-FH	60FP (3 req.)	5060 (2 req.)	8144S*
9	45	5075 & 5060	335S X STC2-PR	60FP (3 req.)	5060 (2 req.)	8144S*

*optional

STC Seal Set 7 Illustration



*For Best Acoustic Results a 1/4" Drop is Recommended; 3/8" Drop Maximum

SOUND TRANSMISSION CLASS (STC)

RATED PAIRS OF DOORS

SOUND TRANSMISSION CLASS (STC) RATED PAIRS OF DOORS

Pairs of doors are intrinsically more difficult to control sound transmission through. Sealing the gap between the meeting edges under the doors is challenging, requiring a combination of properly coordinated and installed gasketing to seal all gaps.

STC Rating Static Door Panel	STC Rating Operable Door w/ Gasketing	Perimeter Seals	Door Bottom	Threshold	Astragal
35	35	5020		896S	5070
35	35	5070		896S	5070
35	34	5020	780S	512	5070
35	33	5020		896S	5070

STANDARD DOORS WITHOUT SPECIAL ACOUSTIC CORES

Solid core wood doors with gasketing test to an STC Rating of approximately 28 to 30. Mineral core wood doors and Honeycomb core hollow metal doors with gasketing test to an STC Rating of approximately 32 to 36. Without gasketing these doors have no sound control and test to an STC Rating between 15 and 20.

To most effectively reduce sound transmission and maximize the acoustic performance we recommend the following be used:

PERIMETER AND DOOR BOTTOMS

- 107S** Perimeter Seal
- 700S** Seal at Head if a Parallel Arm Closer is Used
- 220S** Automatic Door Bottom
(To Allow the Automatic Door Bottom to Properly Seal, Please Add a Threshold.)

MEETING EDGE OF PAIRS

- 109N** Overlapping Astragal
- 5070** Adhesive Astragal
- 115N** Astragal Set

SCHOOL CLASSROOM DOOR STC REQUIREMENTS

ANSI/ASA S12.60 Acoustical Performance Criteria, Design Requirements, and Guidelines for schools requires interior doors opening into core learning spaces to achieve STC 30 or greater in their operable condition and interior doors into music rooms at least STC 40.

The following interprets ANSI/BHMA numbers which identify type and function of products. For products that meet ANSI/BHMA Standards, look for the BHMA certified logo next to the product in our catalog. For a complete listing, refer to the BHMA Certified Products Directory, available online at buildershardware.com

ANSI/BHMA A156.22

AMERICAN NATIONAL STANDARD FOR DOOR GASKETING AND EDGE SEAL SYSTEMS

1 Product Section	2 Retainer Material	3 Gasketing Material	4 Product Type	5 Material Application	6 Gasketing Rating
“R” designates Gasketing	1. Brass or Bronze	A. Brush	S. Intumescent/Neoprene, Closed Cell	1. Door Edge	0. Smoke/Energy
	3. Aluminum	B. Neoprene, Solid		2. Door Edge, Mortise	Performance/Acoustic
	5. Stainless Steel	C. Neoprene, Closed Cell	T. Intumescent/Vinyl	3. Door Face	Rated
	0. Optional Material or None Used	D. Vinyl	U. Intumescent/Silicone Rubber	4. Door Face, Semi-Mortise	1. Smoke/Energy
		E. Silicone Rubber		5. Frame Rabbet (Surface or Mortise)	Performance Rated
		F. Pile	V. Intumescent/ Pile	6. Frame Soffit (H.M.)	2. Smoke/Acoustic Rated
		G. Thermoplastic Elastomer (TPE)	W. Intumescent/ Thermoplastic Elastomer (TPE)	7. Frame Stop (WD)	3. Energy Performance/ Acoustic Rated
		H. Thermoplastic Urethane (TPU)	X. Intumescent/ Thermoplastic Urethane (TPU)	8. Kerf	4. Smoke Rated
		J. Thermoplastic Rubber	Y. Optional Material or None Used	9. Stop (H.M.), Stop Face (WD)	5. Energy Performance Rated
		K. Spring Metal	Z. Intumescent/ Thermoplastic Rubber	0. Other	6. Items Not Rated
	L. Magnetic			7. Acoustic Rated	
	M. Felt				
	N. Rubber Fabric				
	P. Intumescent				
	Q. Intumescent/Brush				
	R. Intumescent/Neoprene, Solid				

INTERNATIONAL BUILDING CODE (IBC)

The International Building Code (IBC) requires swinging fire doors to be tested in accordance with ANSI/UL 10C or NFPA 252, with the neutral pressure level established at 40 inches or less above the sill. This causes “positive pressure” forces against the door assembly above 40 inches.

The result is hot gases and smoke leak out between the door and frame above this level, posing a serious threat to life and safety; and on wood doors rapidly deteriorating the integrity of the door edges, requiring either a built-in or supplemental “edge sealing system” to pass the test.

Fire door assemblies in corridors and smoke barrier walls are required to be smoke and draft control assemblies tested in accordance with UL1784 allowing a maximum air leakage of 3 cubic feet per minute per square foot of door opening at ambient temperature (75°F) and elevated temperature (400°F). These assemblies require the letter “S” on the fire rating label of the door indicating compliance “when listed or labeled gasketing is also installed.”

Fire doors are classified into category A or B based upon their construction and edge sealing system requirements. Fire-rated gasketing is classified as follows:



Category G - Edge Sealing Systems



Category H - Smoke and Draft Control Gasketing



Category J - Gaskets other than Category G or H.

Category A Classified Fire Doors

Hollow Metal Fire-Rated Doors
Wood Fire-Rated Doors constructed with edge seals built-in during the manufacturing process.

Require Category H – Smoke and Draft Control Gasketing at [perimeter](#) and at [meeting edge of pairs](#) of “S” label doors in corridor locations or smoke barrier walls.

Require Category H – Smoke and Draft Control [door bottom seals](#) on “S” label doors where pressurization is provided to restrict smoke movement (typically controlled by HVAC system).

The following products are recommended UL Classified Category H for wood doors - 90 min. max., hollow metal doors - 3 hour max.



Perimeter: 2525, 5020, 5040, 5050, 5070, 5075



Meeting edge of pairs: 115N, 125N, 137N, 137S, 5070, 9115, 9125, 9600, 9605

Category B Classified Fire Doors

Wood Fire-Rated Doors that require the addition of a Category G classified edge sealing system in the field.

Require Category G – Edge Sealing System, at [perimeter](#) and at [meeting edge of pairs](#).

Require Category H – Smoke and Draft Control Gasketing at [perimeter](#) and at [meeting edge of pairs](#) of “S” label doors in corridor locations or smoke barrier walls.

Require Category H – Smoke and Draft Control [door bottom seals](#) on “S” label doors where pressurization is provided to restrict smoke movement (typically controlled by HVAC system).

The following products are recommended UL Classified for both category G and H:



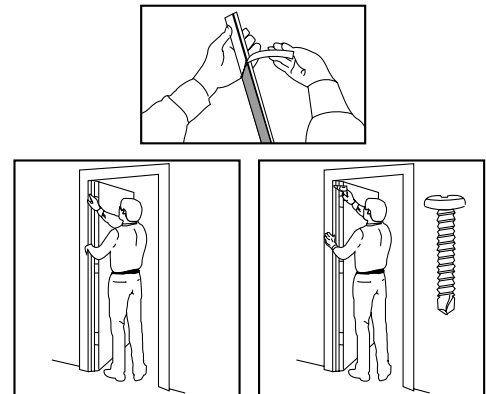
Perimeter 20 minute: 5050
Perimeter 45, 60, 90 minute: 9750

SELF-ADHESIVE GASKETING

FATT

FAST ATTACH TWO-WAY TAPE

- ❖ Fast Attach Two-Way Tape Provides an Easy and Effective Alternative for Gasketing Installation. Two-Way Tape is Applied to the Metal Housing Insuring a Quick and Easy Installation. Then for Security, 3 Tek-type Self-Drilling Screws are Provided to Further Secure Each Piece of Material to the Frame Stop. A No-Problem Installation With No Holes to Drill.
- ❖ To Order Add Suffix "FATT" to Product Number. See Price List for Products Available With this Feature.
- ❖ FATT IS NOT CLASSIFIED FOR USE ON FIRE DOORS.

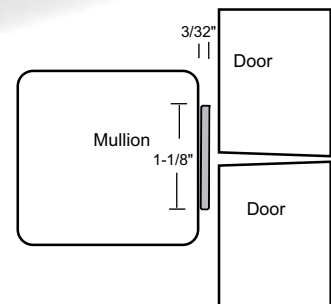


SEAL FOR MULLION APPLICATIONS

- ❖ Closed Cell Silicone Sponge Strip
1 1/8" Wide x 3/32" Thick With an Adhesive Strip for Mounting Directly to the Face of the Mullion That Doors Close Against
- ❖ Available in 86" and 96" Lengths
- ❖ Self-Adhesive: See Adhesive Specifications on Page G16



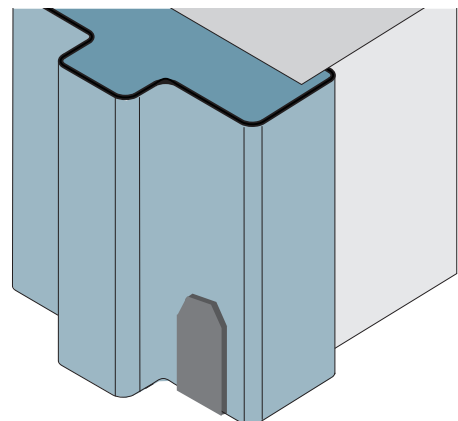
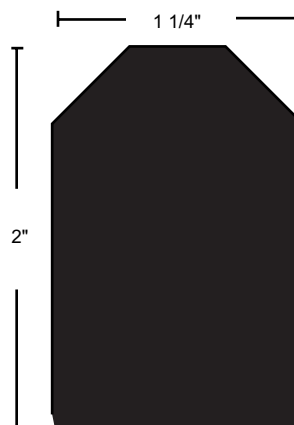
5100N Black Silicone



CORNER PAD

- ❖ Helps Acoustics and Seals Corner Gap for Air Leakage Control. Apply to Jamb on Hinge Side, Opposite Bottom Corner of Door Edge.
- ❖ Self-Adhesive: See Adhesive Specifications on Page G16

54CP Black Polypropylene Pile



SELF-ADHESIVE SILICONE GASKETING

SILICONE BULB FIRE AND SMOKE SEAL



Edge Sealing System - Category G for 20 Minute Rated Category B Wood Doors Perimeter Application Up To:

Single Swing 4'0 X 8'0

Pairs 8'0 X 8'0

Use 9500 at the Meeting Edge of Pairs



Smoke and Draft Control - Category H

Up To 3 hours Hollow Metal Fire Doors

Up To 90 Minutes Wood Fire Doors

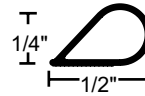


Meets Requirements of RoHS Directive
See Adhesive Specifications on Page G16

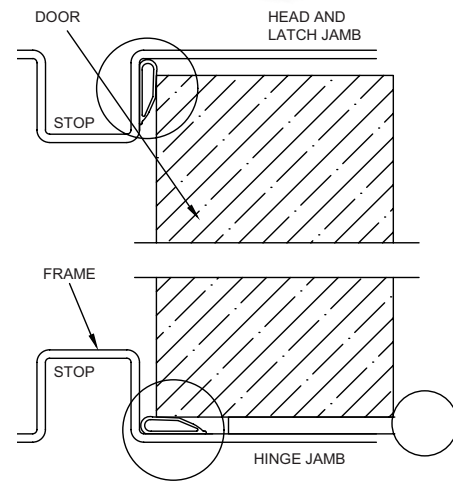
5050B	Brown
5050C	Charcoal
5050W	White
5050CL	Clear

Available in 17', 20', 21', 25' and 300'* Rolls

*Clear Not Available in 300' Rolls

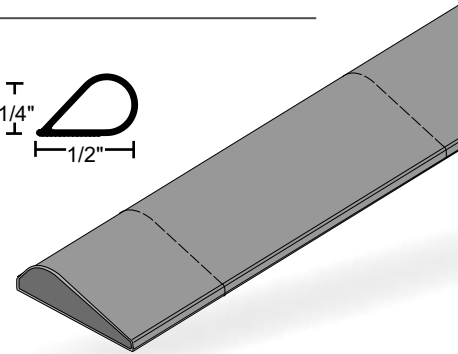
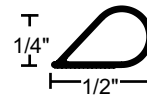


Pictured:
5050B
(Brown)



ANTI-LIGATURE SILICONE BULB FIRE AND SMOKE SEAL

- Anti-Ligature Feature has Serrations Every 8" Designed to Break Apart Preventing it From Being Used to Hang or Strangle.
- Applications Include Psychiatric Facilities, Prisons and Other Treatment Facilities.
- Installs as a Continuous Length Providing the Same Sealing Properties for Light, Sound, Air and Smoke as Our Original 5050.



ANTI-LIG 5050C Charcoal

Available in 17' and 300' Rolls



Edge Sealing System - Category G for 20 Minute Rated Category B Wood Doors Perimeter Application Up To:

Single Swing 4'0 X 8'0

Pairs 8'0 X 8'0

Use 9500 at the Meeting Edge of Pairs



Smoke and Draft Control - Category H Up To 3 Hours Hollow Metal Fire

Doors Up To 90 Minutes Wood Fire Doors



Meets Requirements of RoHS Directive
See Adhesive Specifications on Page G16

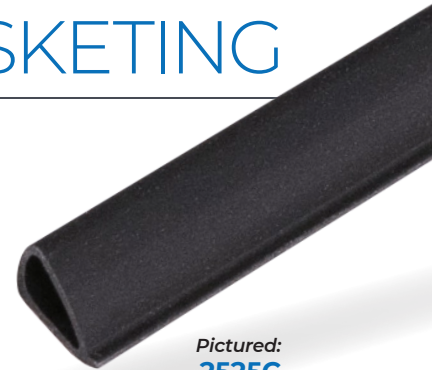
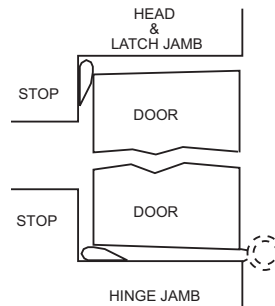
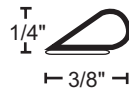
SELF-ADHESIVE SILICONE GASKETING

SILICONE BULB SMOKE SEAL

Available in 17', 20', 21', 25' and 300' Rolls



2525C Charcoal



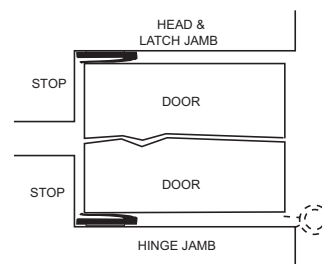
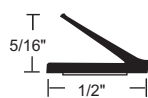
Pictured:
2525C
(Charcoal)

SILICONE FIN SMOKE SEAL

Available in 17', 20', 21', 25', 300' Rolls



5040B Brown



Pictured:
5040B
(Brown)

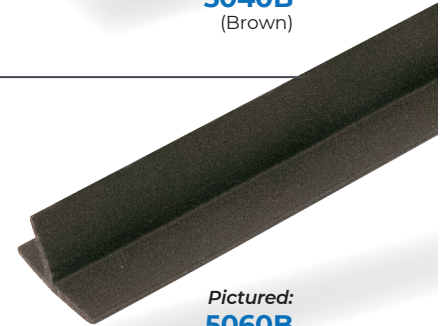
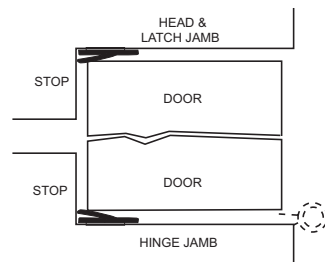
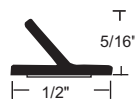
SILICONE FIN SMOKE SEAL

Available in 17', 20' and 21' Rolls



5060B Brown

5060C Charcoal



Pictured:
5060B
(Brown)

ADHESIVE SPECIFICATIONS

Modified acrylic pressure sensitive adhesive protected by release liner. Provides high initial adhesion and long-term holding power for permanent mounting in exterior or interior locations. Resistant to aging, weathering, UV radiation, water, detergent, alcohol and the influence of chemicals. End use temperature range, long term exposure -30°F up to 250°F. Shelf life of adhesive prior to installation is one year when stored at 75°F and 50% relative humidity or less.

SELF-ADHESIVE SILICONE GASKETING

PROPERTIES:

- Self-Adhesive Silicone Rubber
- Good Abrasion Resistance
- BHMA Certified to ANSI/BHMA A156.22 Performance Tests for Heat, Cold and Energy Performance
- Temperature Range -80°F to 600°F
- Adhesive Specifications Shown on Page G15

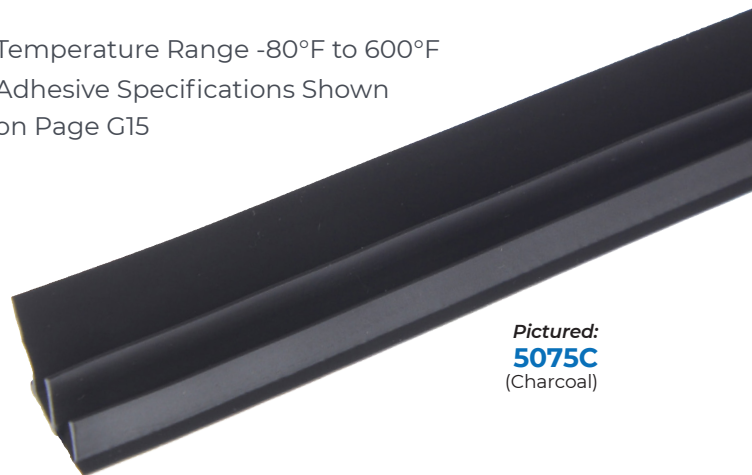
FLEXIBLE TRIPLE FIN SMOKE SEAL

Available in 17', 20', 21', 25" and 300'* Rolls

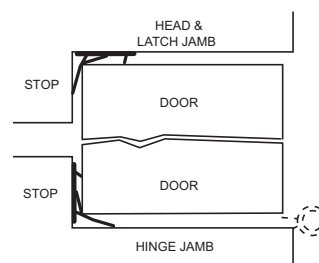
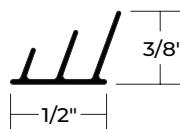
*300' Not Available in White



5075C	Charcoal
5075CL	Clear
5075W	White*



Pictured:
5075C
(Charcoal)



SILICONE DOUBLE SHARK FIN SMOKE SEAL

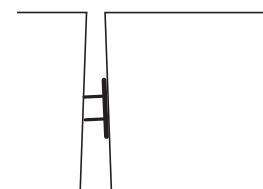
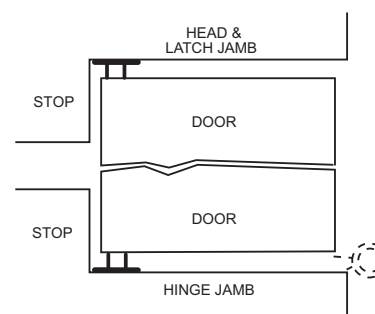
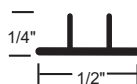
Smoke-Rated for Perimeter and/or Meeting Edge

Astragal Applications

Available in 4', 7', 8' and 9' Lengths



5070B	Brown
5070CL	Clear



Astragal Application
Pair of Doors

SELF-ADHESIVE TPE GASKETING

PROPERTIES:

- ▶ Thermoplastic Elastomer (TPE)
- ▶ Good Abrasion Resistance
- ▶ Moisture-Resistant
- ▶ BHMA Certified to ANSI/BHMA A156.22 Performance Tests for Heat, Cold, Air Infiltration and Energy Performance
- ▶ Rigid Base With Flexible Elastomeric Fins
- ▶ Flame-Resistant
- ▶ Temperature Range -60°F to 275°F
- ▶ Anti-Microbial: Treated With an Anti-Microbial Additive to Inhibit the Growth of Microorganisms
- ▶ REACH and RoHS Compliant
- ▶ Adhesive Specifications Shown on Page G15



Pictured:
5020C
(Charcoal)

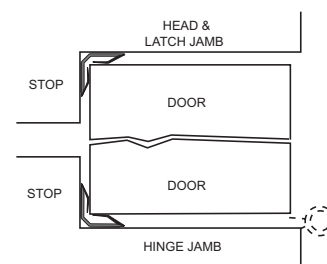
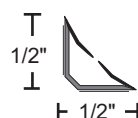
TPE BATWING SMOKE SEAL

Available in 3', 4', 7', 8' and 9' Lengths



5020C	Charcoal
5020CL	Clear

* Anti-Microbial Not Available in Clear



NGP-EDGE® SEALING SYSTEM

CATEGORY G AND H CLASSIFIED SMOKE & DRAFT CONTROL

INTUMESCENT WITH TPE FIRE AND SMOKE SEAL



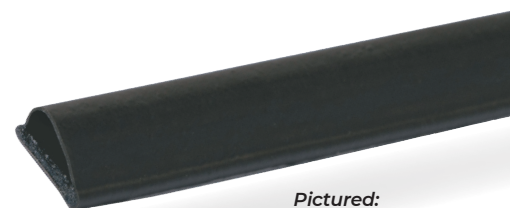
20, 45, 60, 90 Minute Rated Category B Wood Doors Perimeter Application Up To:

Single Swing 4'0" X 9'0"
Pairs 8'0" X 9'0"

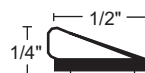
1/8" Clearance Required Between Door and Frame

Available in 36", 48", 84", 96" and 108" Lengths

Self-Adhesive: See Adhesive Specifications on Page G15



Pictured:
9750C
(Charcoal)



9750C Charcoal

NGP-EDGE® SEALING SYSTEM

CATEGORY G CLASSIFIED

NGP Intumescent materials are formulated to expand at 375°F to 400°F up to 8-10 times their original thickness; completely sealing the gap around and between doors during a fire.

INTUMESCENT FIRE SEAL

Perimeter Application:



20, 45, 60, 90 Minute Rated Category B Wood Doors Up To:

Single Swing 4'0 X 9'0
Pairs 8'0 X 9'0

Meeting Edge Application Up To 8'0 X 9'0 Pairs of Category B Wood Doors:



20 Minute Rated with Single Strip Installed



45, 60 Minute Rated with Two Strips Installed

Intumescent With Protective Skin

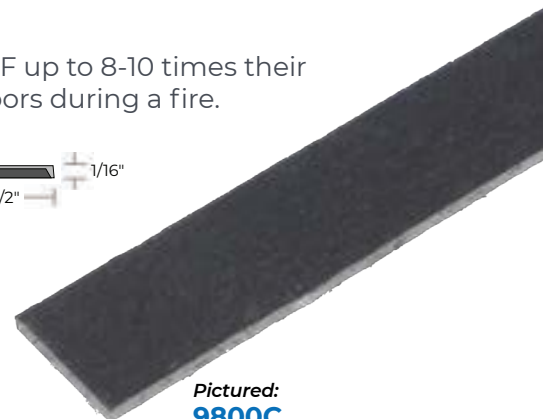
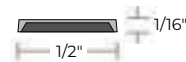
Sold by the Foot: 3' Minimum to 490' Reel

Self-Adhesive: See Adhesive Specifications on Page G16



9800GR Gray

9800C Charcoal



Pictured:
9800C
(Charcoal)

NGP-EDGE® INTUMESCENT FIRE SEAL



20, 45, 60, 90 Minute Rated Category B Wood Doors Up To:

Single Swing 4'0 X 9'0, Perimeter Application
Pairs 8'0 X 9'0, Perimeter/Meeting Edge

Intumescent With PVC Cover

Sold by the Foot: 3' Minimum to 490' Reel

Self-Adhesive: See Adhesive Specifications on Page G16

U.S. Pat. DES 417,739

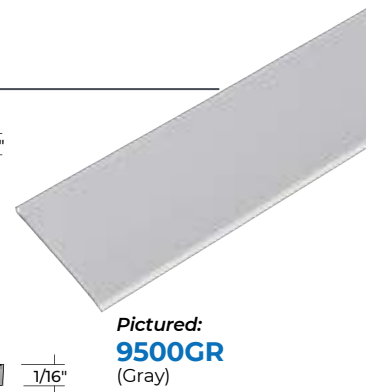


9500GR Gray

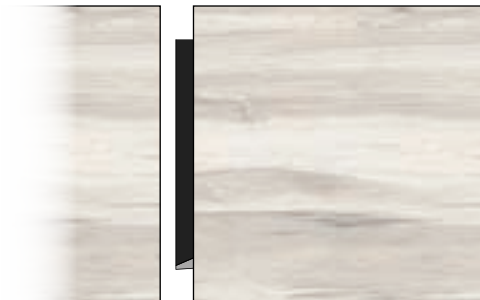
9500C Charcoal



Perimeter Application



Pictured:
9500GR
(Gray)



Meeting Edge Application

VINYL SEALS

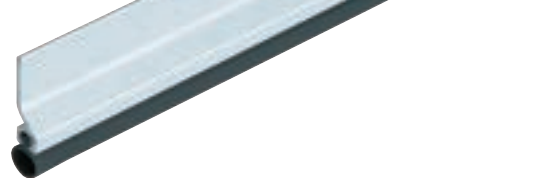
All Vinyl Seals This Section:



- ▶ Thermoplastic Polymer: Polyvinyl Chloride Formulated With an Environmentally Friendly Bio-Based Plasticizer
- ▶ Economical
- ▶ Flame-Resistant
- ▶ Moisture-Resistant
- ▶ Temperature Range 0°F to 140°F
- ▶ Oxidative Degradation From Age and Exposure to Cold, Heat and UV Causes Hardening, Loss of Memory and Resilience, Cracking, Cracking and Discoloration
- ▶ #6 x 3/4" Stainless Steel Sheet Metal Screws Furnished
- ▶ Screw Holes Slotted for Adjustment
- ▶ Vinyl is Black

160VA

Anodized Aluminum
Vinyl Perimeter
Seal



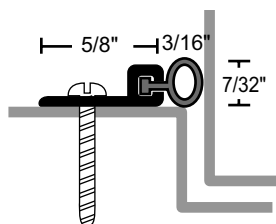
PRODUCT#

SUFFIX

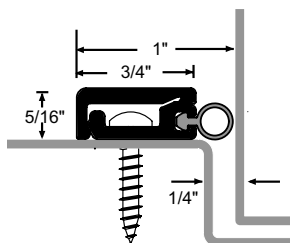
FINISH

A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized
None	Mill Aluminum

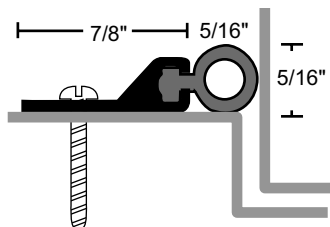
*Vinyl is Black
-GR = Gray Vinyl*



155V
155VDKB

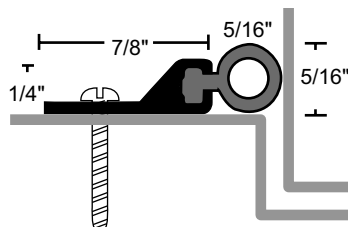


172VA
172VDKB



161V
161VDKB

.07 Aluminum for Military Specs



152V
152VA
152VDKB
156V
156VDKB

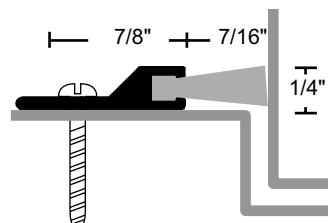
160V
160V-GR
160VA
160VA-GR
160VDKB
160VDKB-GR

164V
164VA
164VDKB

POLYPROPYLENE PILE SEALS

- ▶ Temperature Range 32°F to 275°F
- ▶ Pile is Gray

185P
185PA
185PDKB



NEOPRENE SPONGE SEALS

All Products on This Page:



- Synthetic EPDM Rubber in Polypropylene Thermoplastic Matrix Closed Cell Advanced Elastomeric Foam
- Very Good Abrasion Resistance, Tensile Strength and Memory
- Flame-Resistant
- Moisture-Resistant
- Temperature Range -81°F to 275°F
- Good Resistance to Ozone, Sunlight and Aging
- BHMA Certified to ANSI/BHMA A156.22 Performance Tests for Heat and Cold
- #6 x 3/4" Stainless Steel Sheet Metal Screws Furnished
- Screw Holes Slotted for Adjustment
- Patent Pending Microcellular EPDM

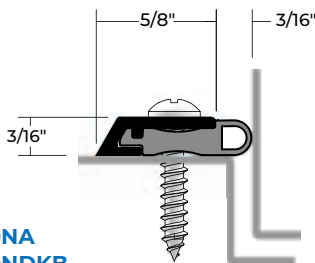
108NA

Anodized Aluminum
Neoprene Sponge
Seal



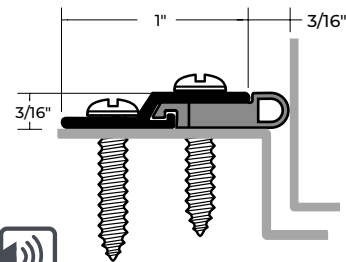
PRODUCT#	
SUFFIX	FINISH
A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized

Neoprene is Black



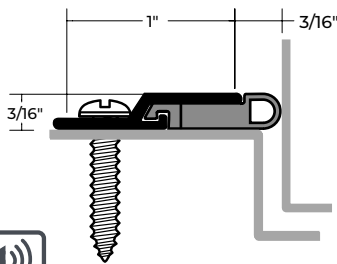
110NA
110NDKB

Patent Pending



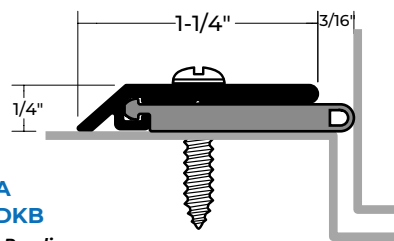
120NA
120NDKB

Patent Pending



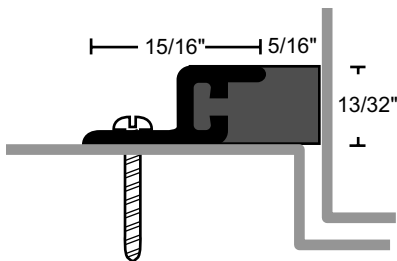
127NA
127NDKB

Patent Pending

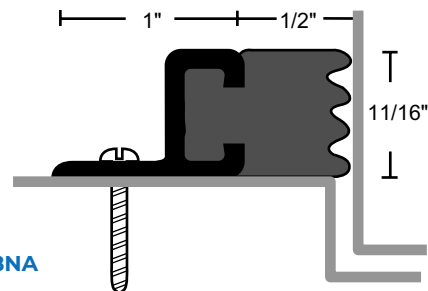


130NA
130NDKB

Patent Pending



122NA
122NDKB
133NA
133NDKB
165NA
165NDKB



108NA

NEOPRENE BULB SEALS

All Neoprene Seals This Section:



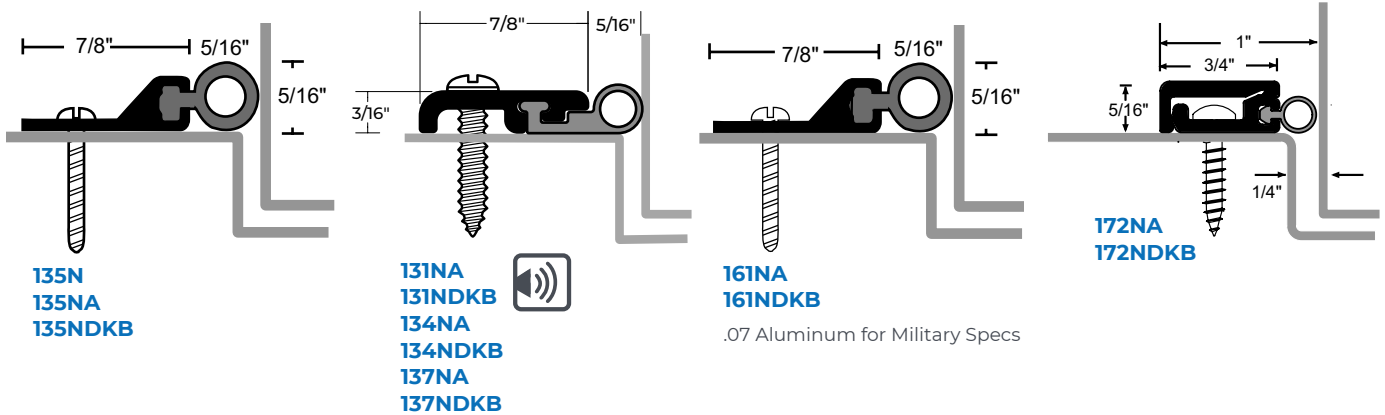
- Synthetic EPDM Rubber in Polypropylene Thermoplastic Matrix
- Very Good Abrasion Resistance, Tensile Strength and Memory
- Flame-Resistant
- Moisture-Resistant
- Temperature Range -81°F to 275°F
- Good Resistance to Ozone, Sunlight and Aging
- BHMA Certified to ANSI/BHMA A156.22 Performance Tests for Heat and Cold
- #6 x 3/4" Stainless Steel Sheet Metal Screws Furnished
- Screw Holes Slotted for Adjustment

137NA

Anodized Aluminum
Neoprene Bulb
Perimeter Seal

PRODUCT#	SUFFIX	FINISH
	A	Anodized Aluminum
	DKB	Dark Bronze / Black Anodized
	None	Mill Aluminum

*Neoprene is Black
Polyurethane is Black*

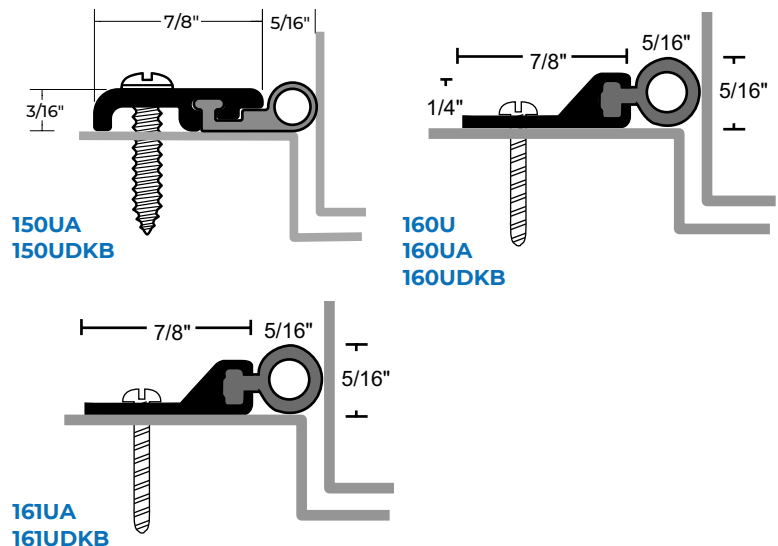


POLYURETHANE SEALS

All Polyurethane
Seals this Section:



- Very Good Abrasion Resistance, Tensile Strength, Memory and UV Resistance
- Flame-Resistant
- Moisture-Resistant
- Temperature Range -80°F to 200°F
- #6 x 3/4" Stainless Steel Sheet Metal Screws Furnished
- Screw Holes Slotted for Adjustment



.07 Aluminum for Military Specs

SILICONE SEALS

All Products on This Page:



- ▶ Synthetic Rubber Polymer: Siloxane Closed Cell Sponge
- ▶ Excellent Flexibility and Memory
- ▶ Flame-Resistant
- ▶ Moisture-Resistant
- ▶ Temperature Range -100°F to 500°F, Remains Flexible at Extreme Temperatures
- ▶ Excellent Resistance to Ozone, UV and Aging
- ▶ Recommended for Areas Using FM200 or Halon Fire Suppression Systems
- ▶ BHMA Certified to ANSI/BHMA A156.22 Performance Tests for Heat and Cold
- ▶ #6 x 3/4" Stainless Steel Sheet Metal Screws Furnished
- ▶ Screw Holes Slotted for Adjustment
- ▶ Patent Pending Microcellular Silicone

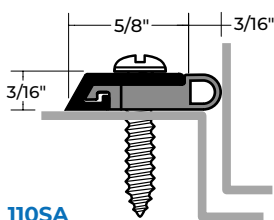
110SA

Anodized Aluminum
Silicone Sponge Seal



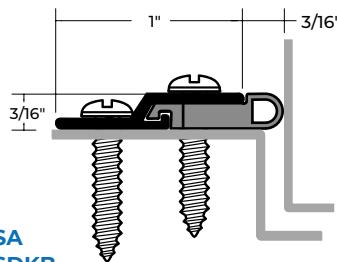
PRODUCT#	
SUFFIX	FINISH
A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized
None	Mill Aluminum

Silicone Sponge is Black



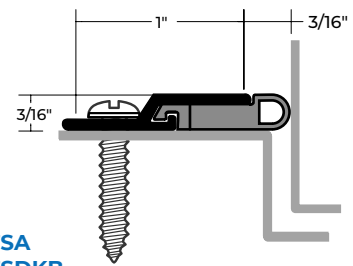
110SA
110SDKB

Patent Pending



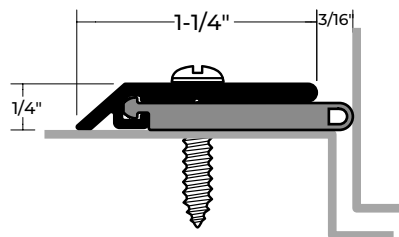
120SA
120SDKB

Patent Pending



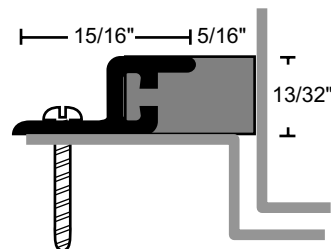
127SA
127SDKB

Patent Pending



130SA
130SDKB

Patent Pending



165SA
165SDKB

SILICONE SEALS

All Silicone Seals This Section:



- ▶ Synthetic Rubber Polymer: Siloxane
- ▶ Excellent Flexibility and Memory
- ▶ Flame-Resistant
- ▶ Moisture-Resistant
- ▶ Temperature Range -100°F to 500°F, Remains Flexible at Extreme Temperatures
- ▶ Excellent Resistance to Ozone, UV and Aging
- ▶ Recommended for Areas Using FM200 or Halon Fire Suppression Systems
- ▶ BHMA Certified to ANSI/BHMA A156.22 Performance Tests for Heat and Cold
- ▶ #6 x 3/4" Stainless Steel Sheet Metal Screws Furnished
- ▶ Screw Holes Slotted for Adjustment

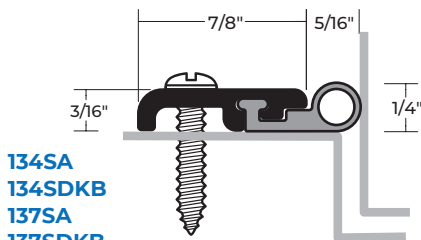
137SA

Anodized Aluminum
Silicone Dense Bulb
Perimeter Seal

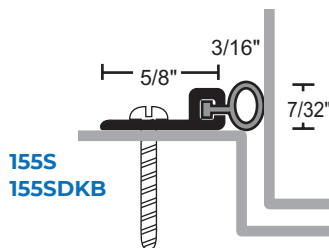


PRODUCT#	SUFFIX	FINISH
	A	Anodized Aluminum
	DKB	Dark Bronze / Black Anodized
	None	Mill Aluminum

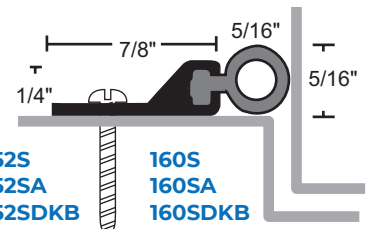
Dense Silicone is Black



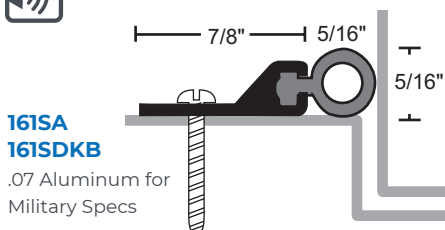
134SA
134SDKB
137SA
137SDKB



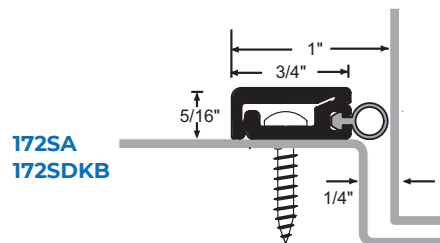
155S
155SDKB



152S
152SA
152SDKB
156S
156SDKB
160S
160SA
160SDKB
162S
162SA
162SDKB



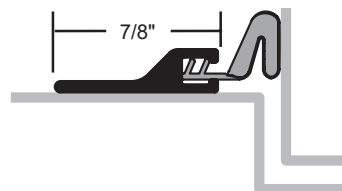
161SA
161SDKB
.07 Aluminum for
Military Specs



172SA
172SDKB

FOAM SEALS

- ▶ Seamless Compression Seals Are Nearly 100% Closed Cell to Prevent Water From Penetrating Foam Cell Structure
- ▶ Extruded Skin Provides a Unique UV Resistant Barrier With Design Features that Enhance the Weather Strip's Sealing Performance
- ▶ Compression: Recommended = 25% Minimum = 10% Maximum = 50%
- ▶ Achieves AAMA 702 Class "A" Extra High Performance Certification



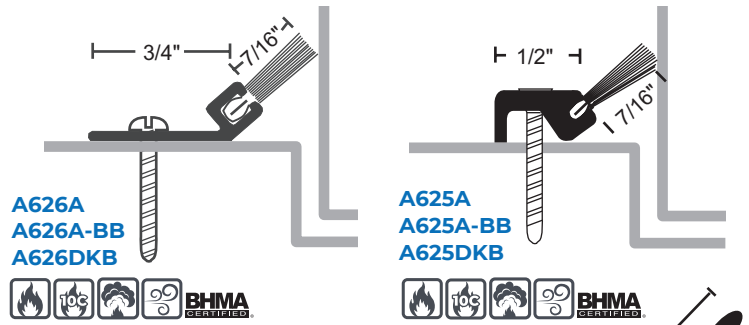
PRODUCT#	INSERT	FINISH
384B	Brown	Mill
384BA	Brown	Anodized
384BDKB	Brown	D. Bronze

NYLON BRUSH SEALS

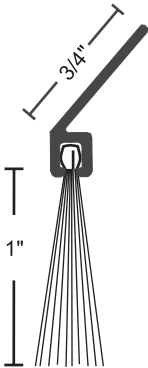
- ▶ Synthetic Polymer: Polyamide
- ▶ Excellent Abrasion Resistance, Flexibility and Memory
- ▶ Moisture-Resistant
- ▶ Retains Insecticides Well
- ▶ Temperature Range -70°F to 425°F
- ▶ BHMA Certified to ANSI/BHMA A156.22 Performance Tests for Heat and Cold, in Most Common Profiles as Indicated by BHMA Certified Symbol
- ▶ REACH and RoHS Compliant
- ▶ Not Effective Against Water Penetration
- ▶ #6 x 3/4" Stainless Steel Sheet Metal Screws Furnished
- ▶ Screw Holes Slotted for Adjustment

PRODUCT# SUFFIX	INSERT	FINISH
A	Gray Brush*	Anodized Aluminum
DKB	Black Brush	Dark Bronze / Black Anodized
None	Gray Brush*	Mill Aluminum

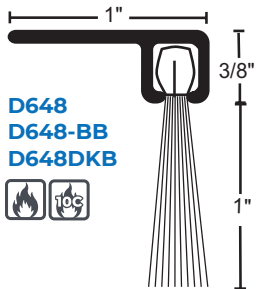
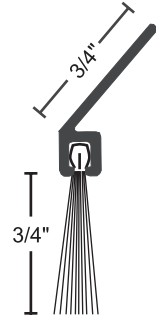
-BB = Black Brush



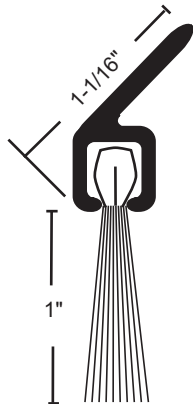
603A
603A-BB
603DKB



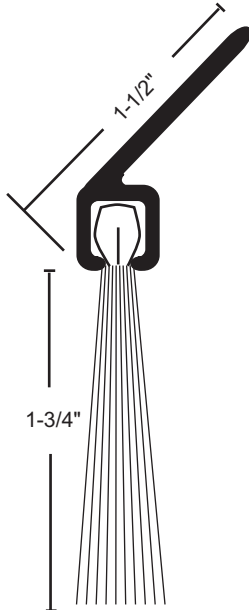
602A
602A-BB
602DKB



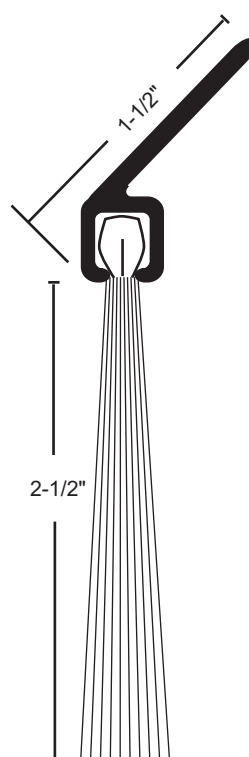
D648
D648-BB
D648DKB



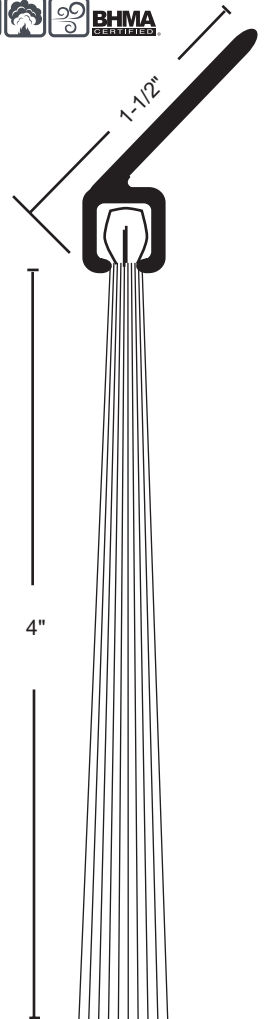
D620A
D620A-BB
D620DKB



G622A
G622A-BB
G622DKB



H623A
H623A-BB
H623DKB



I-624A
I-624A-BB
I-624DKB



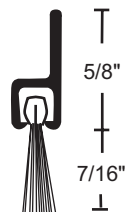
* Up To 3 Hours Metal Doors,
1 Hour Wood Doors

NYLON BRUSH SEALS

600A

Anodized Aluminum
Nylon Brush Seal
or Sweep

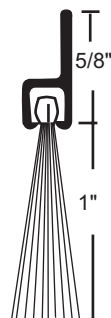
- ▶ #6 x 3/4" Stainless Steel Sheet Metal Screws Furnished. Screw Holes Slotted for Adjustment.



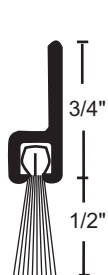
A605A
A605A-BB
A605DKB



OV634A
OV634A-BB
OV634DKB



OV633A
OV633A-BB
OV633DKB



B606A
B606A-BB
B606DKB



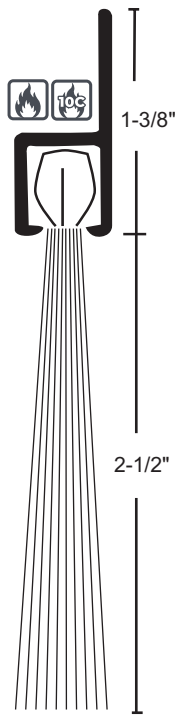
600
600-BB
600A
600A-BB
600DKB



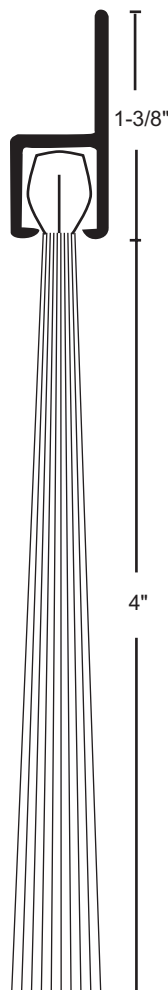
601
601-BB
601A
601A-BB
601DKB



G610A
G610A-BB
G610DKB



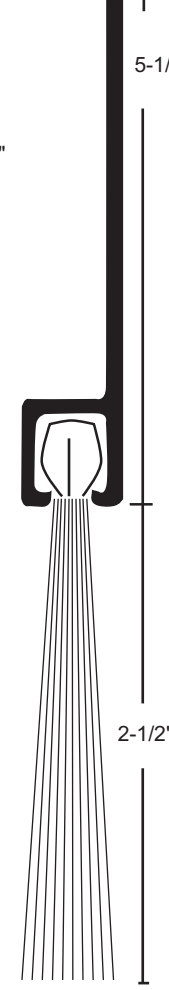
H612A
H612A-BB
H612DKB



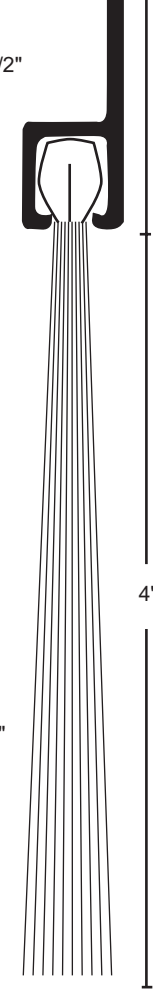
I-615A
I-615A-BB
I-615DKB



G611A
G611A-BB
G611DKB



H614A
H614A-BB
H614DKB



I-616A
I-616A-BB
I-616DKB



PERIMETER SEALS

COMPATIBLE WITH PARALLEL ARM CLOSERS

- No Break in Seal for Closer Mounting
- Closer and/or Overhead Holder Attach to Frame Through Weatherseal Section. Install Seal First
- Allows Mounting of Rim Exit Device Strikes Without Notching Gasketing
- Head Section Not Drilled
- Jamb Sections Furnished With Slotted Holes for Adjustment
- Self-Drilling #8 (Tek-type) Screws Furnished

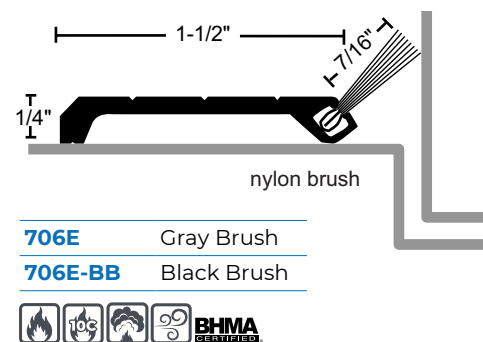
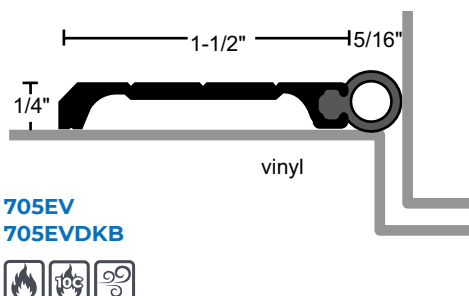
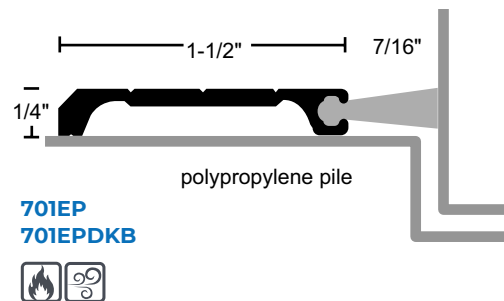
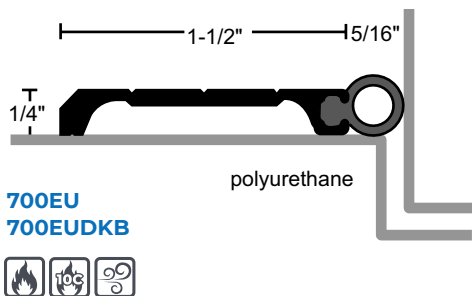
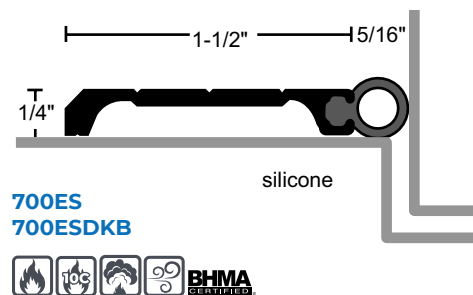
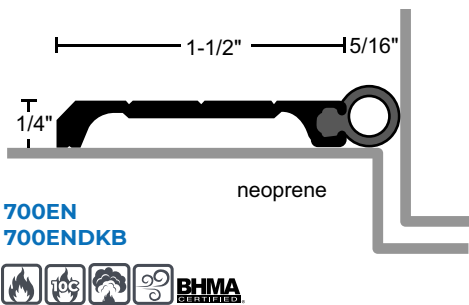
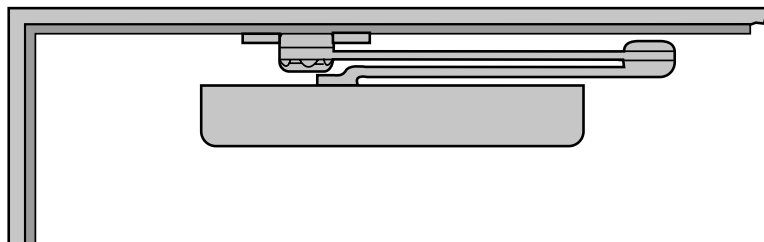


700ES

Mill Aluminum
Silicone Perimeter Seal

PRODUCT#	SUFFIX	FINISH
A		Anodized Aluminum
DKB		Dark Bronze / Black Anodized
None		Mill Aluminum

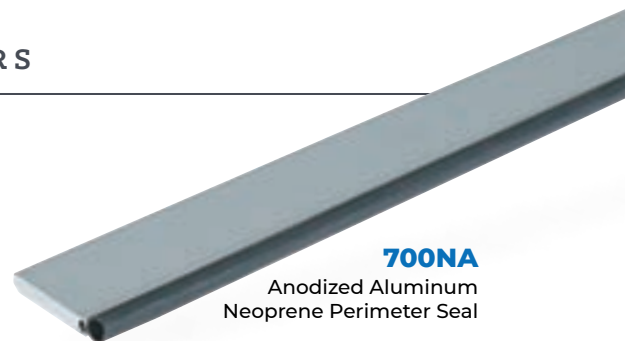
*Pile is Gray
Vinyl, Neoprene, Silicone and
Polyurethane are Black
-BB = Black Brush*



PERIMETER SEALS

COMPATIBLE WITH PARALLEL ARM CLOSERS

- No Break in Seal for Closer Mounting
- Closer and/or Overhead Holder Attach to Frame Through Weatherseal Section. Install Seal First
- Allows Mounting of Rim Exit Device Strikes Without Notching Gasketing
- Head Section Not Drilled
- Jamb Sections Furnished With Slotted Holes for Adjustment
- Self-Drilling #8 (Tek-type) Screws Furnished

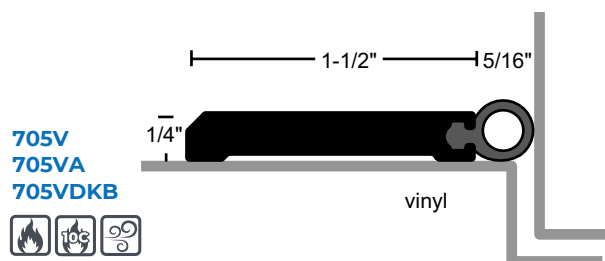
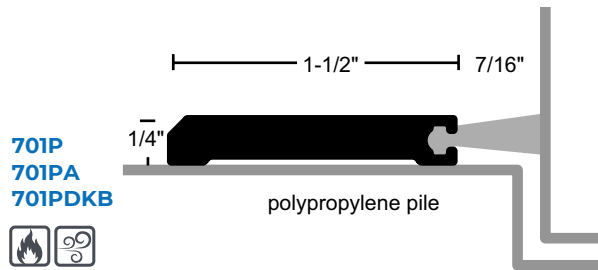
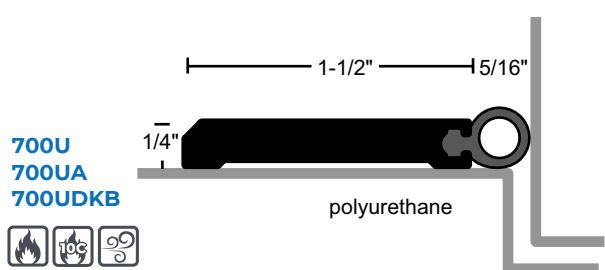
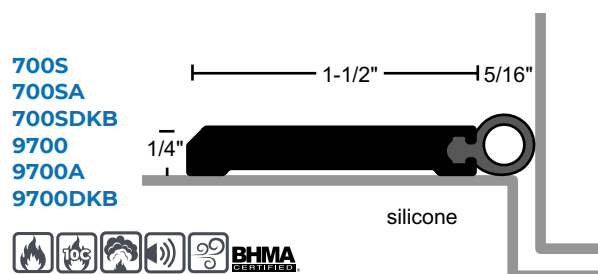
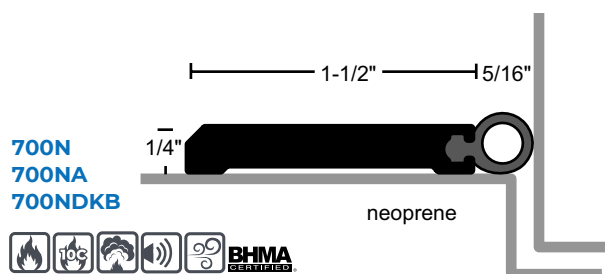


700NA

Anodized Aluminum
Neoprene Perimeter Seal

PRODUCT#	SUFFIX	FINISH
	A	Anodized Aluminum
	DKB	Dark Bronze / Black Anodized
	None	Mill Aluminum

*Pile is Gray
Vinyl, Neoprene, Silicone and
Polyurethane are Black*

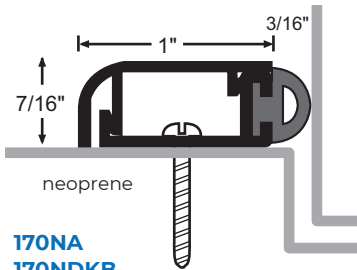


CONCEALED FASTENER SEALS

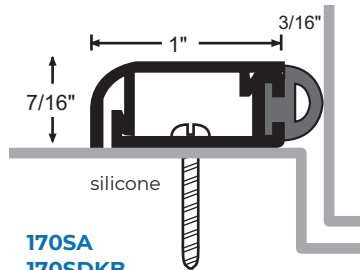
- ▶ Snap-On Cover Conceals Screw Heads for Clean Appearance
- ▶ #6 x 3/4" Stainless Steel Sheet Metal Screws Furnished
- ▶ Screw Holes Slotted for Adjustment

170NA

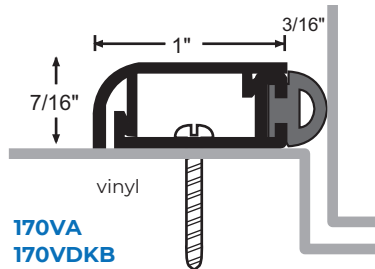
Anodized Aluminum
Neoprene Perimeter
Seal with Concealed
Fastener



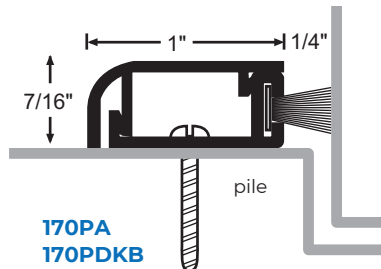
170NA
170NDKB



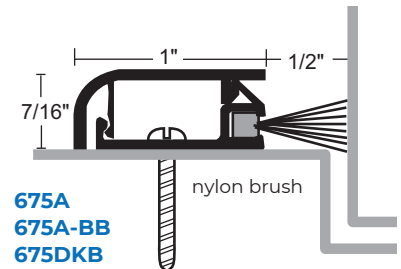
170SA
170SDKB



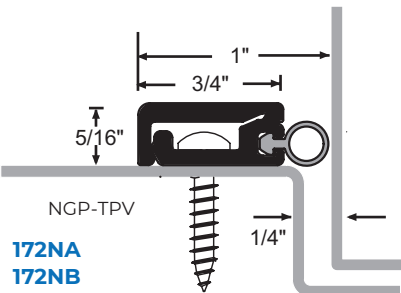
170VA
170VDKB



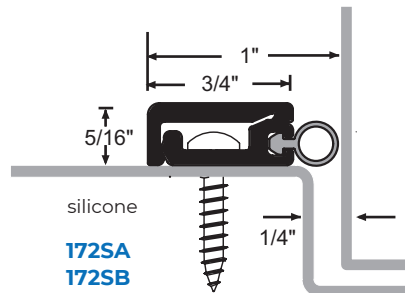
170PA
170PDKB



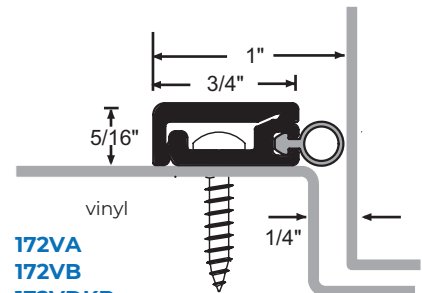
675A
675A-BB
675DKB



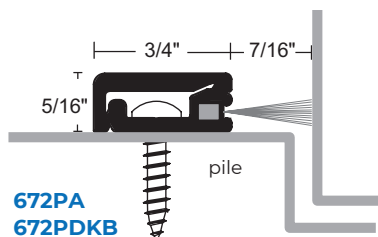
172NA
172NB
172NDKB



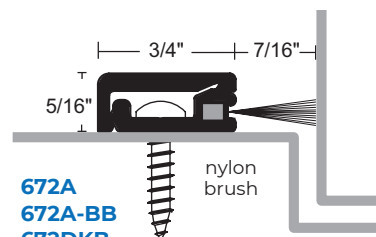
172SA
172SB
172SDKB



172VA
172VB
172VDKB



672PA
672PDKB



672A
672A-BB
672DKB



PRODUCT#	SUFFIX	FINISH
	A	Anodized Aluminum
	DKB	Dark Bronze / Black Anodized
	None	Mill Aluminum

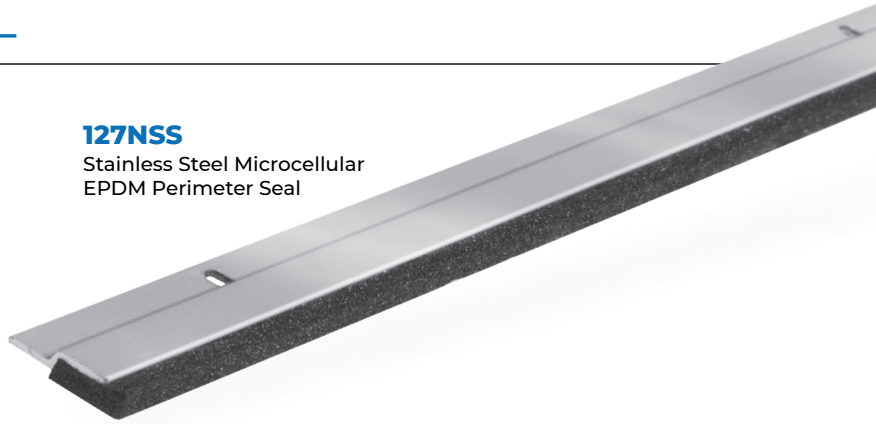
*Pile is Gray
Vinyl, Neoprene, NGP-TPV & Silicone are Black
Nylon Brush is Gray with Anodized Alum and Black with DKB Metal.
-BB = Black Brush*

STAINLESS STEEL

- ▶ Stainless Steel Type 304 Brushed #4 Finish (US32D, 630)
- ▶ #6 x 3/4" Stainless Steel SMS Furnished
- ▶ Screw Holes Slotted for Adjustment
- ▶ Microcellular EPDM, Silicone, Neoprene, Polyurethane are Black

127NSS

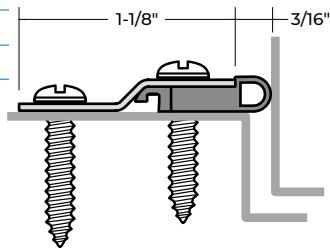
Stainless Steel Microcellular EPDM Perimeter Seal



PERIMETER SEALS

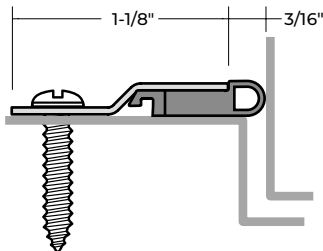
120NSS Microcellular EPDM

120SSS Silicone

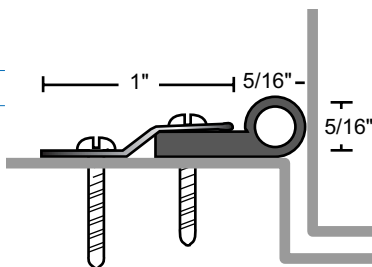


127NSS Microcellular EPDM

127SSS Silicone



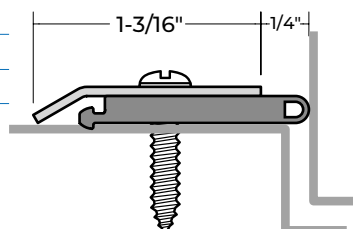
129NSS Neoprene



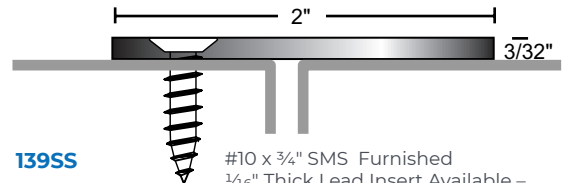
122NSS Microcellular EPDM

130NSS Microcellular EPDM

130SSS Silicone

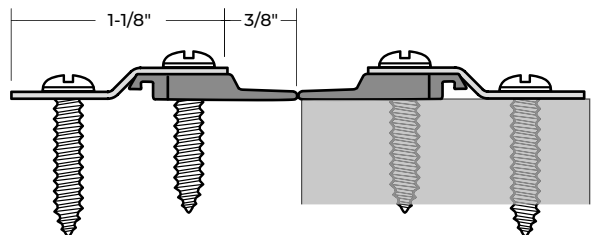


ASTRAGAL SEALS



139SS

#10 x 3/4" SMS Furnished
1/16" Thick Lead Insert Available –
Specify "Lead-Lined"



125NSS Microcellular EPDM

9125SS Silicone

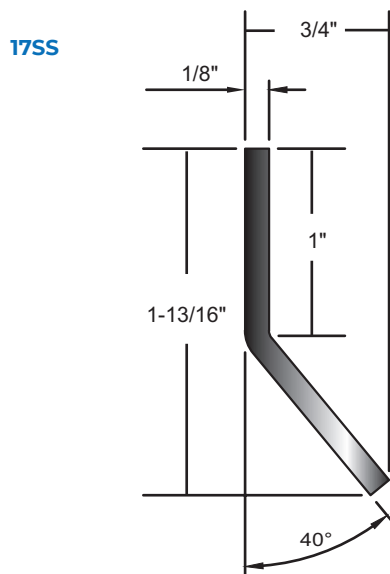
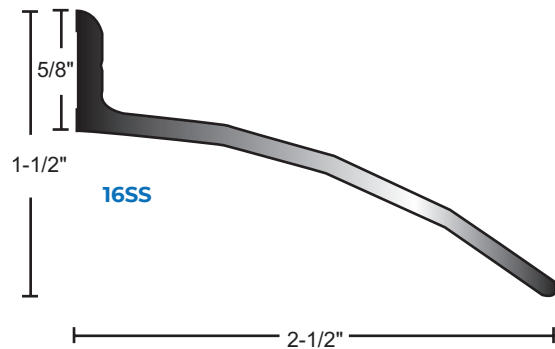


Provided as Two-Piece Set

STAINLESS STEEL

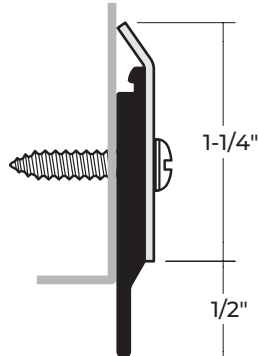
- Stainless Steel Type 304 Brushed #4 Finish (US32D, 630)
- Silicone, Neoprene and Polyurethane are Black. Nylon Brush Available in Gray or Black (Please Specify).
- #6 x 3/4" Stainless Steel SMS Furnished
- Screw Holes Slotted for Adjustment

RAIN DRIP GUARD



DOOR SWEEP

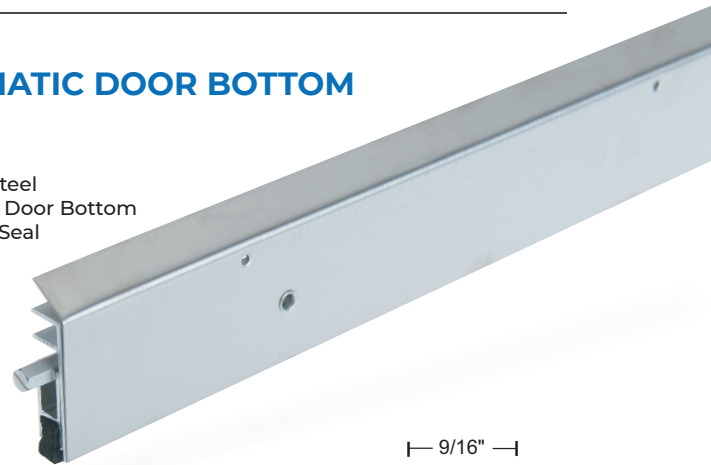
- 200NSS** Neoprene
- 200SSS** Silicone



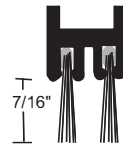
AUTOMATIC DOOR BOTTOM

229NSS

Stainless Steel
Automatic Door Bottom
Neoprene Seal

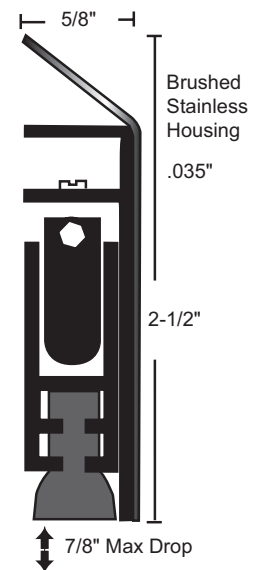
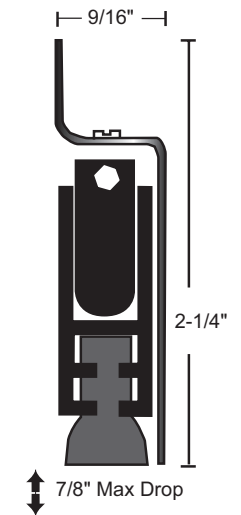


- 221NSS** Black Neoprene (1, 2, 3)
- 221SSS** Gray Silicone (1, 2, 3)
- 221WHSS** Black Nylon Brush (2, 3)



Drop Bar with Nylon
Brush - Suffix "WH"

- 229NSS** Black Neoprene (1, 2, 3)
- 229SSS** Gray Silicone (1, 2, 3)
- 229WHSS** Black Nylon Brush (2, 3)



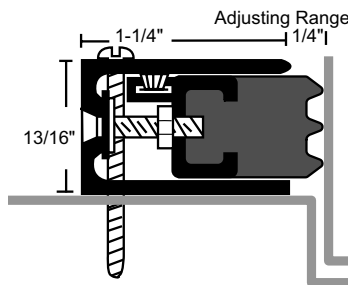
- 1/16" Thick Lead Insert Available - Specify "Lead-Lined".
- Door Bottom is Handed. Right Hand Supplied Unless Specified. Units Under 36" NOT Field Reversible. Please Specify Handing.
- BHMA Certified to ANSI/BHMA A156.22, 1,000,000 Cycle Test-Grade 1.

ADJUSTABLE PERIMETER SEALS

- Adjustment Screws on 10" Centers Allow Adjustment Without Re-Positioning Mounting Location
- #6 x 3/4" or #6 x 1 1/2" Stainless Steel SMS Furnished

107SA

Anodized Aluminum Adjustable Perimeter Seal with Silicone Seal

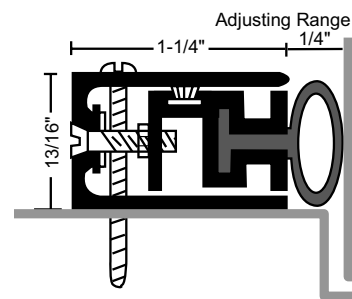


PRODUCT#	INSERT	FINISH
103NA	Black Neoprene	Anodized Aluminum
103NDKB	Black Neoprene	Dark Bronze / Black Anodized

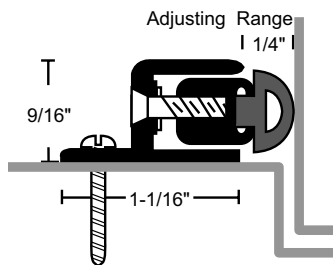


Option: Foam back seal - suffix 'FS'

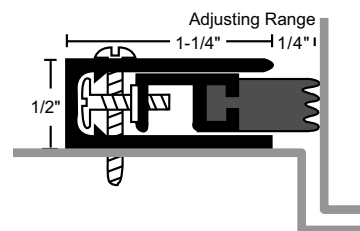
103N used with Parallel Arm Door Closer requires use of #3 Bracket on page G35



PRODUCT#	INSERT	FINISH
1038NA	Black Neoprene	Anodized Aluminum
1038NDKB	Black Neoprene	Dark Bronze / Black Anodized



PRODUCT#	INSERT	FINISH
106NA	Black Neoprene	Anodized Aluminum
106NDKB	Black Neoprene	Dark Bronze / Black Anodized
106SA	Black Silicone	Anodized Aluminum
106SDKB	Black Silicone	Dark Bronze / Black Anodized



PRODUCT#	INSERT	FINISH
107NA	Black Neoprene	Anodized Aluminum
107NDKB	Black Neoprene	Dark Bronze / Black Anodized
107SA	Black Silicone	Anodized Aluminum
107SDKB	Black Silicone	Dark Bronze / Black Anodized

107 used with Parallel Arm Door Closer requires use of #7 Bracket on page G35



STEEL MOUNTING BRACKETS

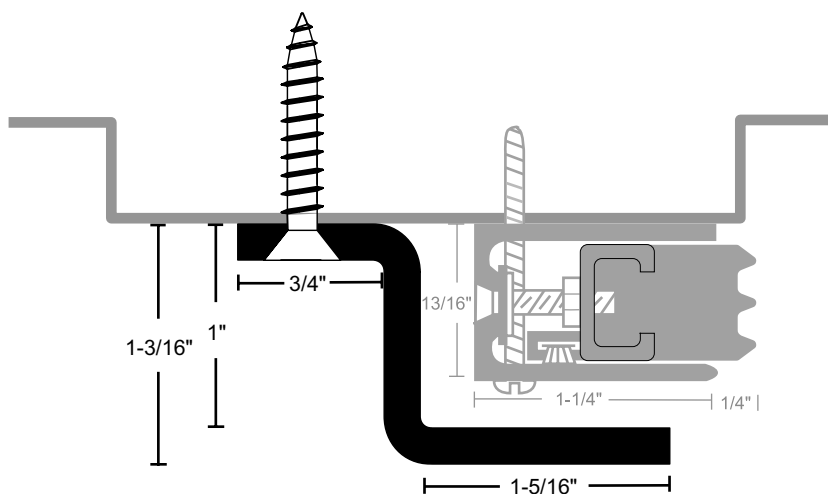
All Products on This Page:



- Allows Installation of Door Closer Shoe or Rim Exit Device Strike Without Interruption or Notching of Perimeter Seals
- Furnished With #12 x 1 1/4" SMS
- 3/16" Thick Steel
- 6" Long
- Powder Coat Finish

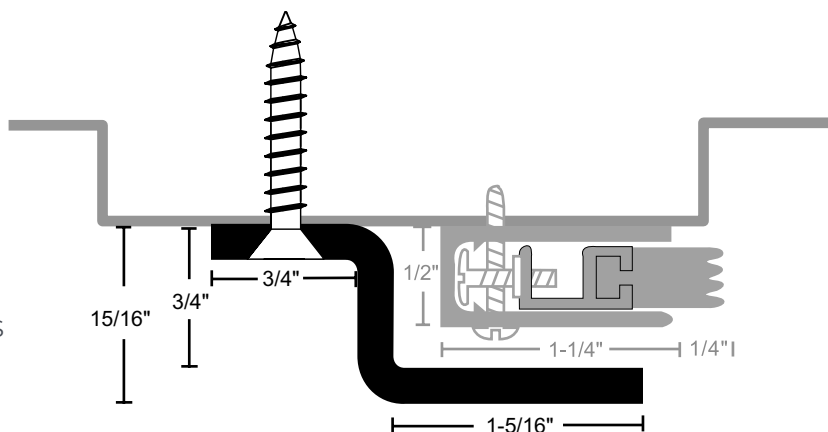
3ASL	Aluminum Silver
3DKB	Matte Black
3SP	Prime Coat

Fits Over 103N, 303N,
1038N, 3038N



7ASL	Aluminum Silver
7DKB	Matte Black
7SP	Prime Coat

Fits Over 106N, 107N, 141P, 141S

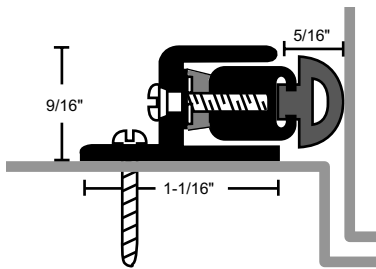


SPRING ADJUSTABLE PERIMETER SEALS

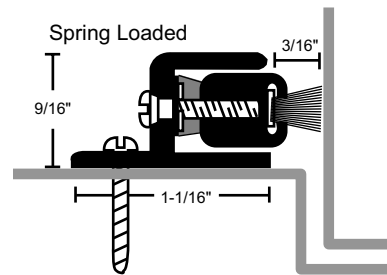
- ▶ Adjustment Screws on 10" Centers Allow Adjustment without Re-Positioning Mounting Location
- ▶ Spring-Loaded to Maintain Pressure for the Most Effective Seal
- ▶ #6 x ¾" or #6 x 1½" Stainless Sheet Metal Screws Furnished

303NA

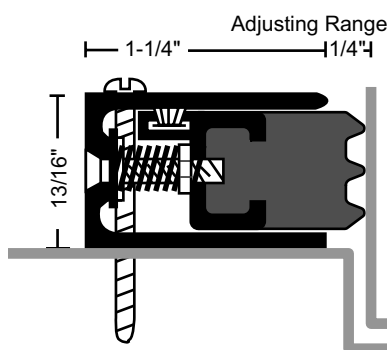
Anodized Aluminum Spring Adjustable Neoprene Perimeter Seal



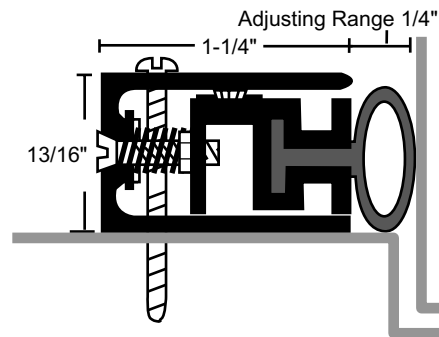
PRODUCT#	INSERT	FINISH
141NA	Black Neoprene	Anodized Aluminum
141NDKB	Black Neoprene	Dark Bronze / Black Anodized
141SA	Black Silicone	Anodized Aluminum
141SDKB	Black Silicone	Dark Bronze / Black Anodized



PRODUCT#	INSERT	FINISH
141PA	Gray Pile	Anodized Aluminum
141PDKB	Gray Pile	Dark Bronze / Black Anodized



PRODUCT#	INSERT	FINISH
303NA	Black Neoprene	Anodized Aluminum
303NDKB	Black Neoprene	Dark Bronze / Black Anodized



PRODUCT#	INSERT	FINISH
3038NA	Black Neoprene	Anodized Aluminum
3038NDKB	Black Neoprene	Dark Bronze / Black Anodized



AUTOMATIC DOOR BOTTOMS

SURFACE

All Products on This Page:



- Mounts on Push Side of Door
- Use with a Threshold for Maximum Sealing Capability
- Nylon Brush Recommended for Carpet Applications Where No Threshold is Provided
- Specify Exact Net Length Required to Avoid Field Sizing
- 36" and Longer May Be Cut up to 4" in the Field; Under 36" Should Not Be Cut in the Field, Order Net Length
- Minimum Length 11", Maximum Length 60" (Except 780)
- End Caps Furnished Standard. Models 220, 221, 229, 310 Require Door Handing, RH Supplied Standard Units Under 36" NOT Field Reversible. Please Specify Handing.

220SA

Anodized Aluminum Automatic Door Bottom with Silicone Seal



PRODUCT# SUFFIX	FINISH
A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized
None	Mill Aluminum

SURFACE

220NA	Black Neoprene (1, 2, 3)
220NDKB	Black Neoprene (1, 2, 3)



220SA	Black Silicone (1, 2, 3)
220SDKB	Black Silicone (1, 2, 3)



220WHA	Black Nylon Brush (2, 3)
220WHDKB	Black Nylon Brush (2, 3)



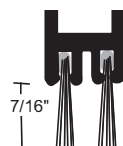
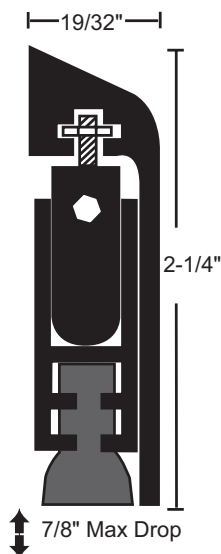
222NA	Black Neoprene (1, 3)
222NDKB	Black Neoprene (1, 3)



222SA	Black Silicone (1, 3)
222SDKB	Black Silicone (1, 3)



222WHA	Black Nylon Brush (3)
222WHDKB	Black Nylon Brush (3)



Drop Bar with Nylon Brush - Suffix "WH"

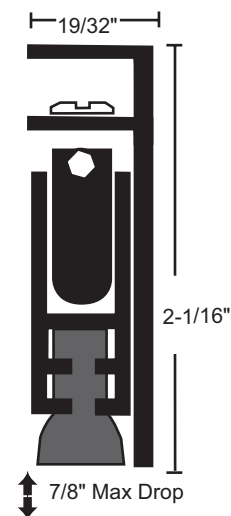
310NA	Black Neoprene (1, 2, 3)
310NDKB	Black Neoprene (1, 2, 3)



310SA	Black Silicone (1, 2, 3)
310SDKB	Black Silicone (1, 2, 3)



310WHA	Black Nylon Brush (2)
310WHDKB	Black Nylon Brush (2)



- 1/16" Thick Lead Insert Available - Specify "Lead-Lined".
- Door Bottom is Handed. Right Hand Supplied Unless Specified. Units Under 36" NOT Field Reversible. Please Specify Handing.
- BHMA Certified to ANSI/BHMA A156.22, 1,000,000 Cycle Test-Grade 1.

AUTOMATIC DOOR BOTTOMS

SURFACE

All Products on This Page:

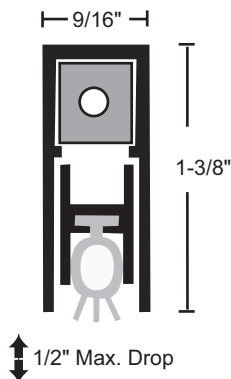


SLIMLINE

- Endurance Tested to 5 Million Cycles
- Available 23" to 96" in Length
- End Caps Furnished Standard
- Great for Sliding Doors
- Will Work Half Mortised on Swing or Sliding Doors

780SA Gray Silicone

780SDKB Gray Silicone



780SA

Anodized Aluminum Slimline Automatic Door Bottom with Silicone Seal



PRODUCT#	FINISH
SUFFIX	FINISH
A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized
None	Mill Aluminum

STAINLESS STEEL

STAINLESS STEEL

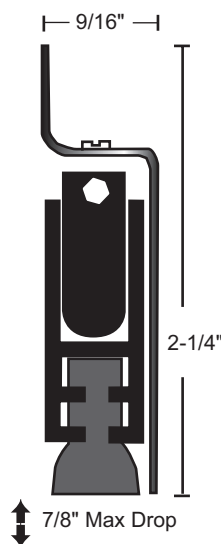
221NSS Black Neoprene ^(1, 2, 3)



221SSS Gray Silicone ^(1, 2, 3)



221WHSS Black Nylon Brush ⁽²⁾



STAINLESS STEEL

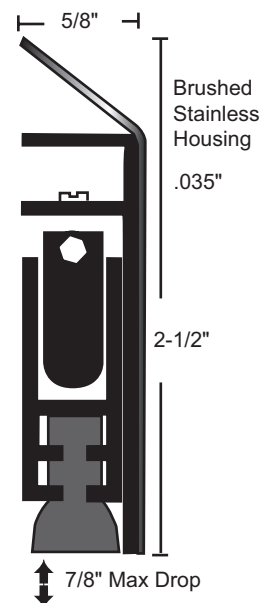
229NSS Black Neoprene ^(1, 2, 3)



229SSS Gray Silicone ^(1, 2, 3)



229WHSS Black Nylon Brush ⁽²⁾



1. 3/16" Thick Lead Insert Available – Specify "Lead-Lined".
2. Door Bottom is Handed. Right Hand Supplied Unless Specified. Units Under 36" NOT Field Reversible. Please Specify Handing.
3. BHMA Certified to ANSI/BHMA A156.22, 1,000,000 Cycle Test-Grade 1.

AUTOMATIC DOOR BOTTOMS

HEAVY-DUTY SURFACE

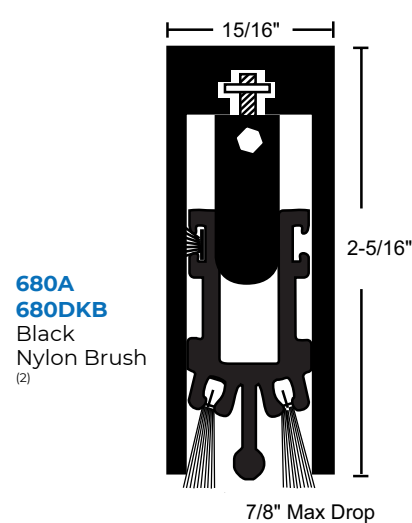
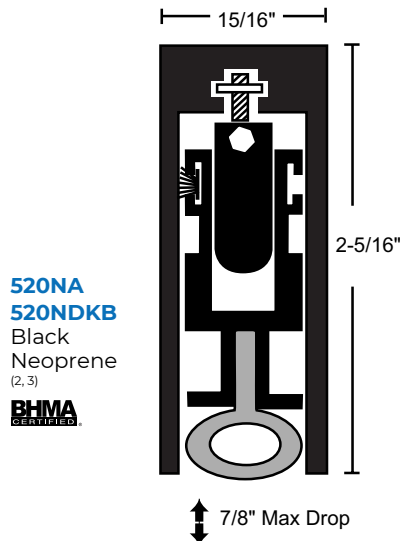
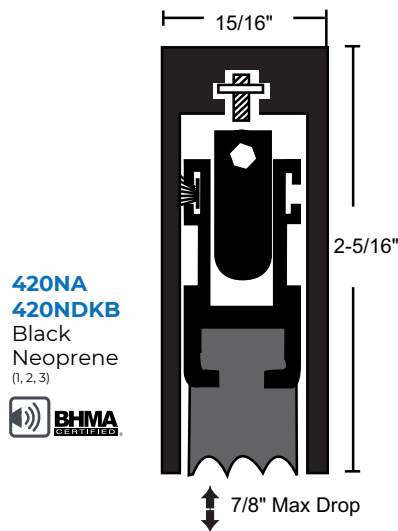
All Products on This Page:



- Mounts on Push Side of Door
- Use With a Threshold for Maximum Sealing Capability
- Nylon Brush Recommended for Carpet Applications Where No Threshold is Provided
- Specify Exact Net Length Required to Avoid Field Sizing
- 36" and Longer May Be Cut up to 4" in the Field; Under 36" Should Not Be Cut in the Field, Order Net Length
- Minimum Length 11", Maximum Length 60"
- End Caps Furnished Standard



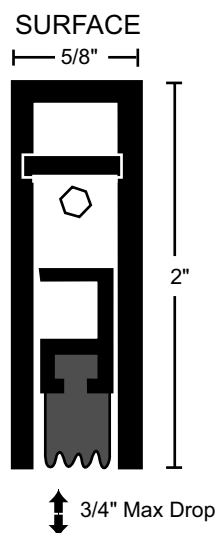
PRODUCT#	FINISH
SUFFIX	
A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized
None	Mill Aluminum



EZ-TOUCH

- The EZ-Touch Door Bottom Requires Only 3 to 5 Pounds of Pressure to Activate
- Perfect for Accessibility Applications and Still Provides an Effective Seal
- Available 23 1/4" Net to 48" in Length
- End Caps Furnished Standard

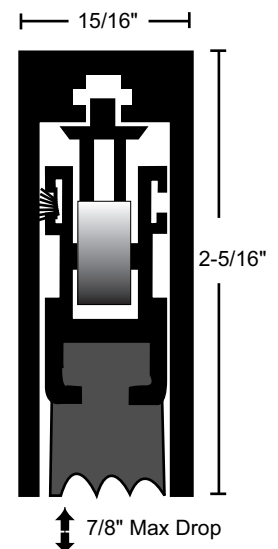
223NA	Black Neoprene
223NDKB	Black Neoprene
223SA	Black Silicone
223SDKB	Black Silicone



SLIDING OR POCKET DOORS SURFACE OR HALF MORTISE - HEAVY-DUTY

- Designed for Use on Sliding or Pocket Doors.
- A Series of Actuating Bars Keep the Seal Parallel to the Sill or Threshold Until the Door Is in the Closed Position
- Available 11" to 144" in Length
- End Caps Not Available

421NA	Black Neoprene ⁽¹⁾
421NDKB	Black Neoprene ⁽¹⁾



1. 1/16" Thick Lead Insert Available Up To 60" Maximum Length- Specify "Lead-Lined".
2. For Half Mortise Applications Specify HM in Item Number Prior to Finish (ie: 420NHMDKB).
3. BHMA Certified to ANSI/BHMA A156.22, 1,000,000 Cycle Test-Grade 1.

AUTOMATIC DOOR BOTTOMS

MORTISE

All Products on This Page:



- Use With a Threshold for Maximum Sealing Capability
- Nylon Brush Recommended for Carpet Applications Where No Threshold is Provided
- Specify Exact Net Length Required to Avoid Field Sizing
- 36" and Longer May Be Cut up to 4" in the Field; Under 36" Should Not Be Cut in the Field, Order Net Length
- End Caps Furnished Standard
- Furnished 1/2" Shorter than Ordered to Fit Within Net Door Size (i.e. 36" is Furnished 35 1/2")

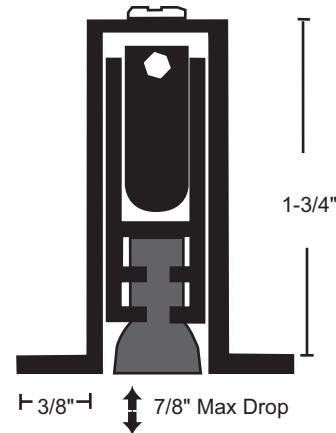
335N

Mill Aluminum Mortise Automatic Door Bottom with Neoprene Seal



Mortise Required
3/4" x 1-15/16"

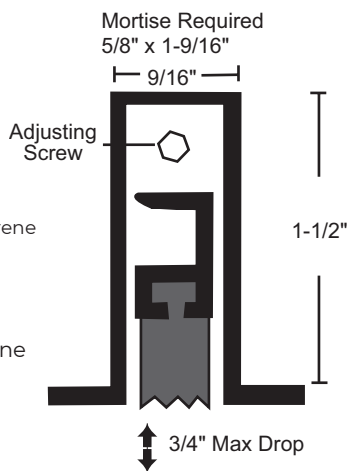
11/16"



Neoprene, NGP-TPV, Silicone & Nylon Brush are Black

Available 11" to 60" in Length

1. 1/16" Thick Lead Insert Available – Specify "Lead-Lined".



335N
Neoprene



335S
Silicone



225N

Neoprene ⁽¹⁾



BHMA certified to
ANSI/BHMA A156.22,
1,000,000 cycle test-grade 1

225S

Silicone ⁽¹⁾



BHMA certified to
ANSI/BHMA A156.22,
1,000,000 cycle test-grade 1

225WH

Nylon Brush



BHMA certified to
ANSI/BHMA A156.22,
1,000,000 cycle test-grade 1

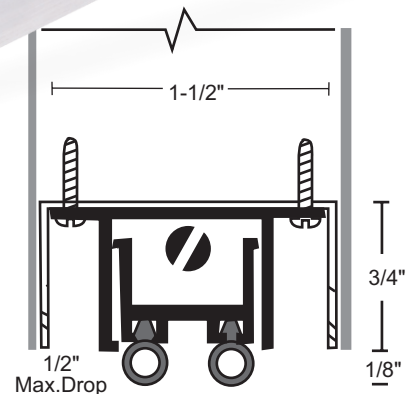
Available 23 1/4" Net to 48" in Length
Fits Wood Fire Door Mortise Restrictions

HOLLOW METAL DOORS

- Fits in 1 5/8" x 3/4" Channel. A "Furring Strip" May Be Used to Lower Automatic Door Bottom When a Deeper Channel is Used
- Furnished 1/2" Shorter Than Ordered to Fit Within Net Door Size (i.e. 36" is Furnished 35 1/2")
- May be Field Cut up to 4"
- Fire Ratings Apply to Metal Doors Only
- #4 x 5/8" SMS Furnished. End Caps Not Available
- Available 24" to 48" in Length

320S

Mill Aluminum Hollow Metal Mortise Automatic Door Bottom with Silicone Seal



320N
NGP-TPV

320S
Silicone

320V
Vinyl

1/2"
Max. Drop

AUTOMATIC DOOR BOTTOMS

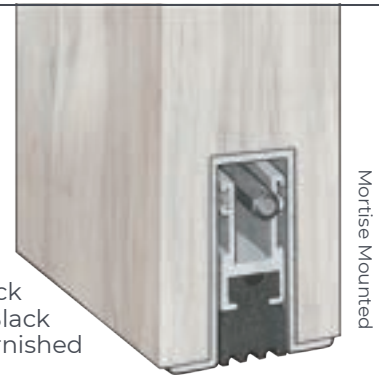
HEAVY-DUTY MORTISE

All Products on This Page:

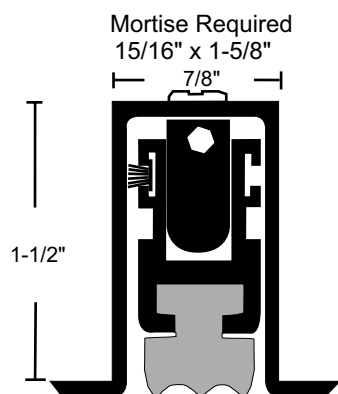


- ▶ Fits Wood Fire Door Mortise Restrictions
- ▶ Use With a Threshold for Maximum Sealing Capability
- ▶ Nylon Brush Recommended for Carpet Applications Where No Threshold Is Provided
- ▶ Specify Exact Net Length Required to Avoid Field Sizing
- ▶ 36" and Longer May Be Cut up to 4" in the Field; Under 36" Should Not Be Cut in the Field, Order Net Length
- ▶ Anodized Aluminum End Caps Furnished Standard.
DKB End Caps Available - Please Specify
- ▶ Furnished ½" Shorter Than Ordered to Fit
Within Net Door Size (i.e. 36" is Furnished 35 ½")

Neoprene is Black
Nylon Brush is Black
#4 x ⅝" SMS Furnished



Mortise Mounted



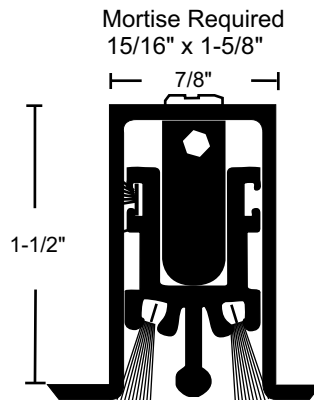
423N
Neoprene
↕ 3/4" Max Drop



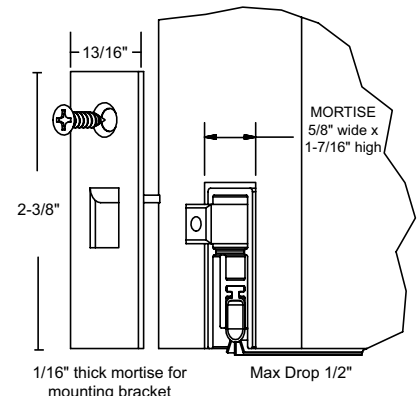
Available 11" to 48" in Length.

⅛" Thick Lead Insert Available – Specify "Lead-Lined".

BHMA Certified to ANSI/BHMA A156.22, 1,000,000 Cycle Test-Grade 1.



683
Nylon Brush
↕ 7/8" Max Drop



781S
Silicone is Gray
Great for Sliding Doors
Available 23" to 96" in Length
Door Edge Mounting Brackets Allow Easy
Access for Removal and Cleaning the Door
Bottom Drop Mechanism. Perfect for Use
in Healthcare and Other Facilities Subject to
Stringent Standards and Inspections



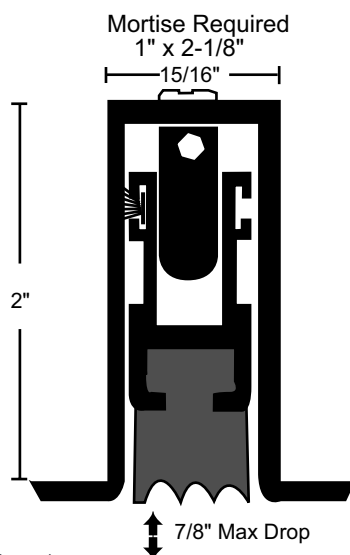
*Up to 3 Hrs. Metal
Doors, 45 Minute
Wood Doors (Does
Not Fit Mortise
Restrictions of
Some Wood Door
Manufacturers)

422N
Neoprene

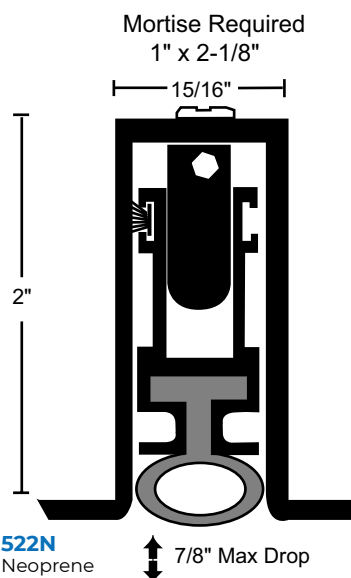


Available 11" to 60" in length.

⅛" Thick Lead Insert Available –
Specify "Lead-Lined".



↕ 7/8" Max Drop

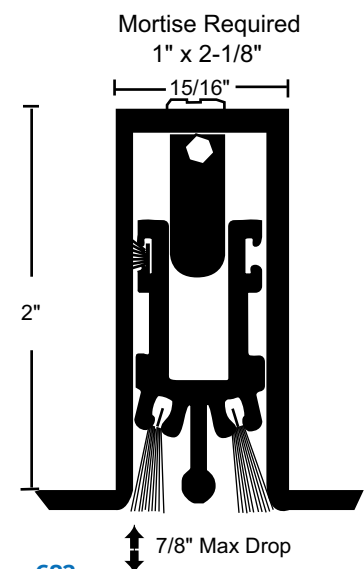


522N
Neoprene
↕ 7/8" Max Drop



Available 11" to 60" in Length.

**BHMA Certified to ANSI/BHMA
A156.22, 1,000,000 Cycle Test-Grade 1.**



682
Black Nylon Brush
↕ 7/8" Max Drop

Available 11" to 60" in Length.

ACOUSTICAL DOOR SHOES

- ▶ Aluminum Alloy 6063, T5 Temper
- ▶ Thermoplastic Polymer: Polyvinyl Chloride
Formulated with an Environmentally Friendly Bio-Based Plasticizer
- ▶ Economical
- ▶ Flame-Resistant
- ▶ Moisture-Resistant
- ▶ Temperature Range 0°F to 140°F
- ▶ Oxidative Degradation From Age and Exposure to Cold, Heat and UV Causes Hardening, Loss of Memory and Resilience, Cracking, Crazeing and Discoloration
- ▶ #6 x 3/4" Stainless Steel SMS Furnished
- ▶ Screw Holes Slotted for Adjustment

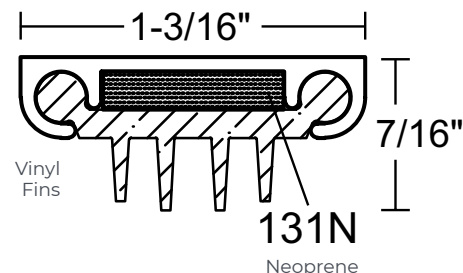
312V X 131N
312VDKB X 131N



STC 45

SPECIFY THE DESIRED INSERT, FINISH AND COLOR WHEN PLACING YOUR ORDER.

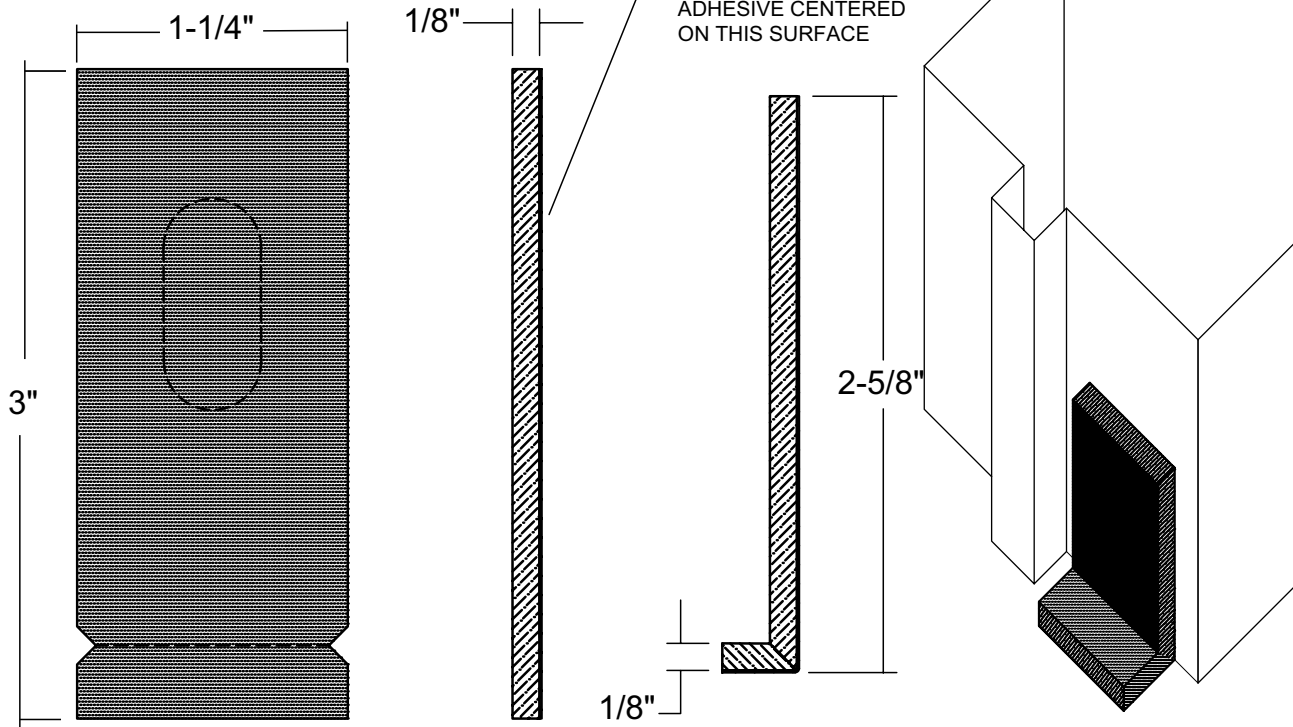
PRODUCT#	
SUFFIX	FINISH
DKB	Dark Bronze / Black Anodized
None	Mill Aluminum
<i>Vinyl is Black</i>	



STC RATED ACOUSTICAL FOAM PAD

- ▶ Foam Seal Self-Adhesive
- ▶ Helps Acoustics and Seals at Corner Gap
- ▶ Apply to Jambs on Hinge and Strike Side
- ▶ Available as Set of 2 Pads
- ▶ Color is Black

60FP STC 52

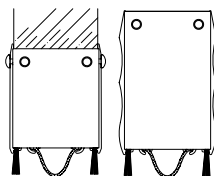


EXTENDED DOOR SHOES

All Products on This Page:



- #6 x 3/4" Stainless Steel
SMS Furnished
- End Caps Available -
Sold Separately

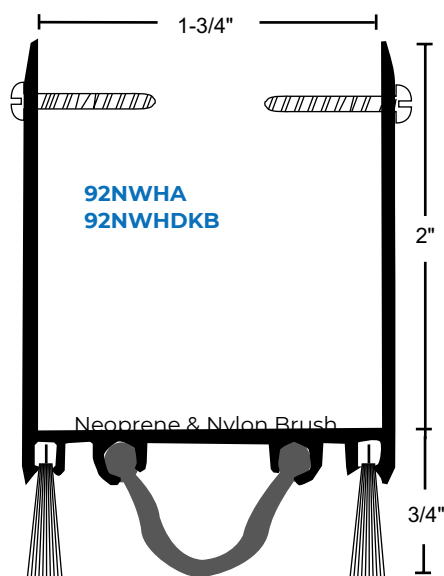


PRODUCT#	
SUFFIX	FINISH
A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized
None	Mill Aluminum

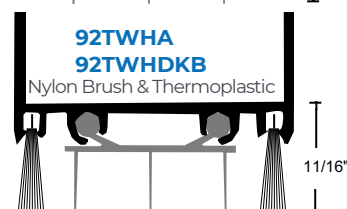
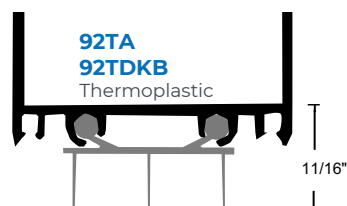
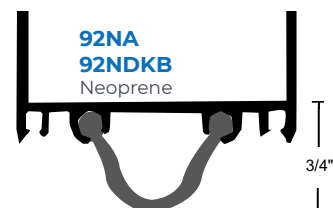
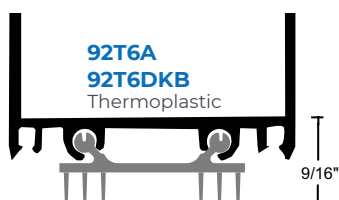
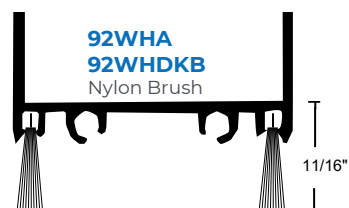
*Vinyl is Black
Neoprene is Black
Thermoplastic is Dark Brown
Nylon Brush Is Gray* with Anodized
Aluminum; Black with DKB Metal*

**Specify Black Brush if Desired*

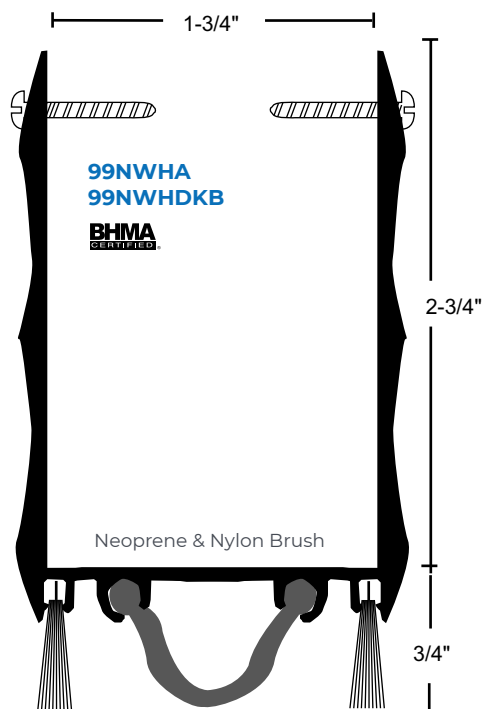
92 SERIES



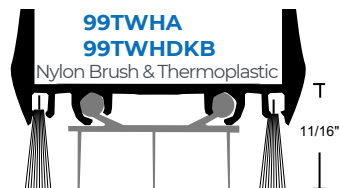
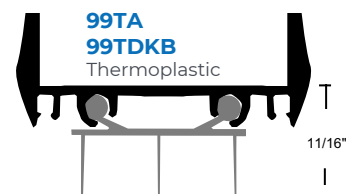
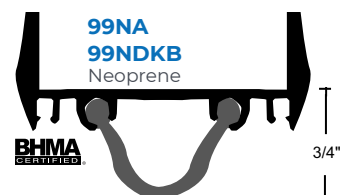
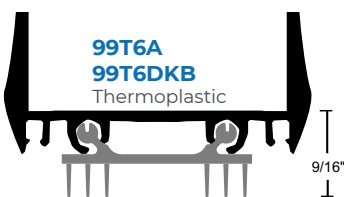
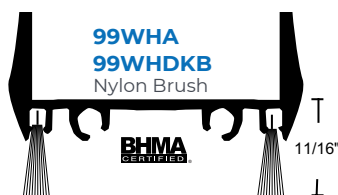
GASKETING OPTIONS:



99 SERIES



GASKETING OPTIONS:

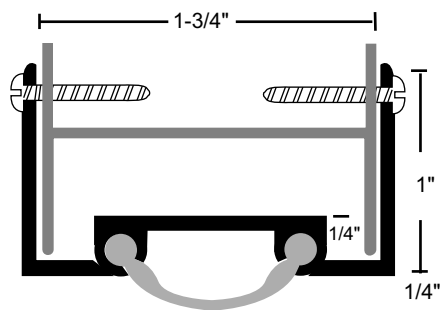


SMOOTH VINYL DOOR SHOES

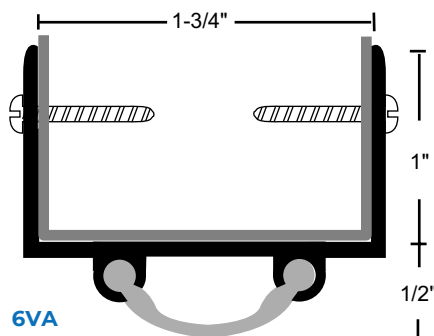
- #6 x 3/4" Stainless Steel Sheet Metal Screws Furnished
- Screw Holes Slotted for Adjustment



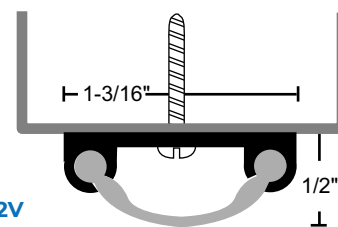
PRODUCT#	SUFFIX	FINISH
	A	Anodized Aluminum
	DKB	Dark Bronze / Black Anodized
	None	Mill Aluminum
<i>Vinyl is Black</i>		



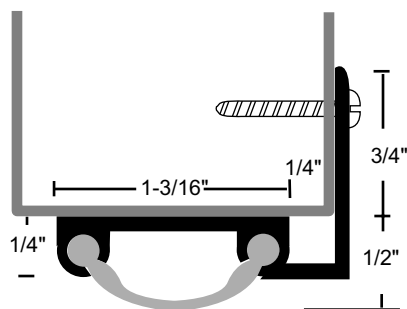
5VA
5VDKB



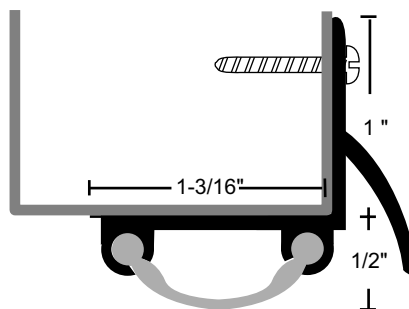
6VA
6VDKB



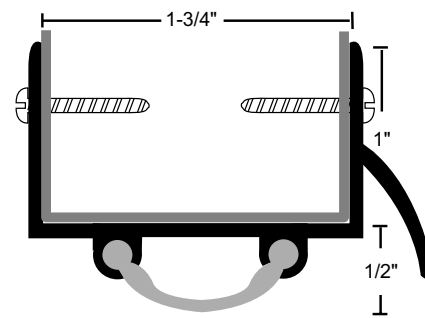
12V
12VDKB



13VA
13VDKB



18V
18VDKB

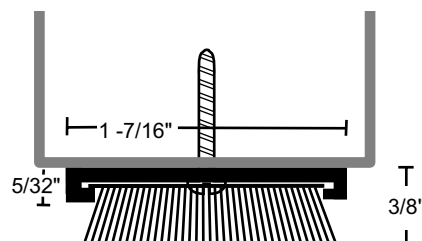


19V
19VDKB

POLYPROPYLENE PILE DOOR SHOES

- #6 x 3/4" Stainless Steel SMS Furnished
- Pile is Gray

254P
254PDKB

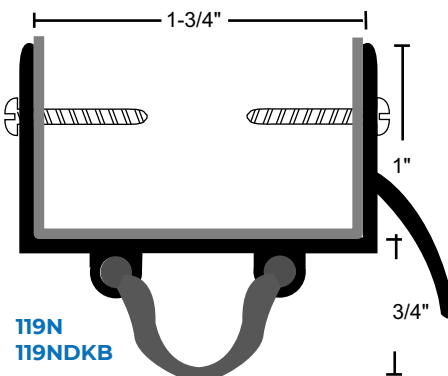
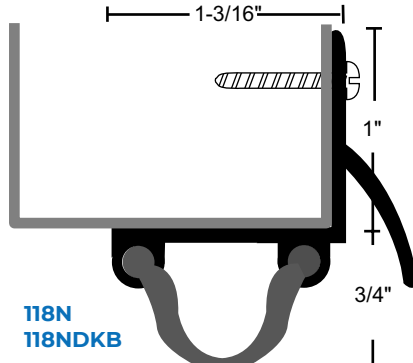
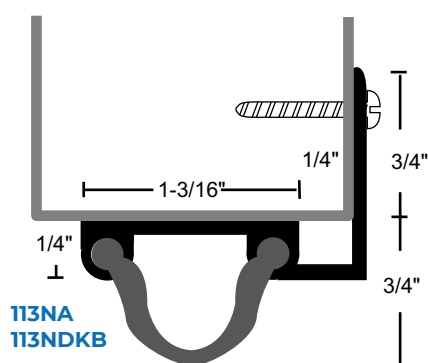
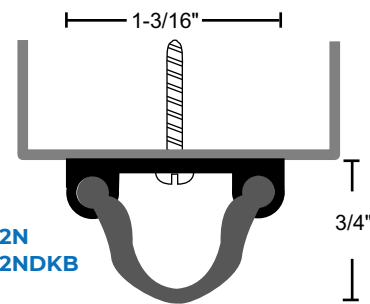
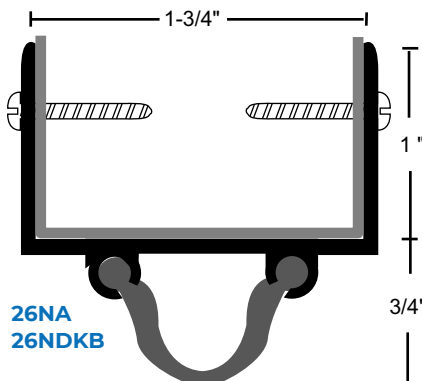
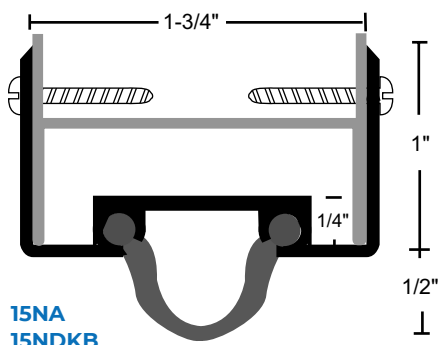


NEOPRENE, NYLON BRUSH, DOUBLE FIN

DOOR SHOES

NEOPRENE DOOR SHOES

- ▶ #6 x 3/4" Stainless Steel Sheet Metal Screws Furnished
- ▶ Screw Holes Slotted for Adjustment



PRODUCT# SUFFIX

FINISH

A

Anodized Aluminum

DKB

Dark Bronze /
Black Anodized

None

Mill Aluminum

Neoprene is Black

NYLON BRUSH DOOR SHOE

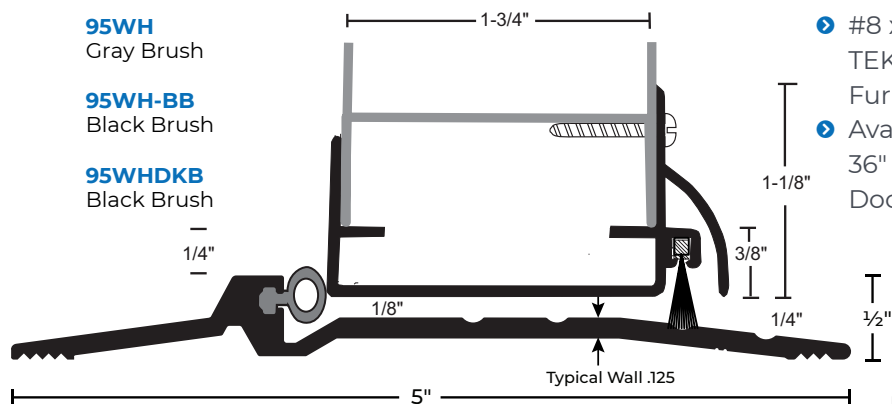
- ▶ #6 x 3/4" Stainless Steel SMS Furnished
- ▶ Screw Holes Slotted for Adjustment



95WH
Gray Brush

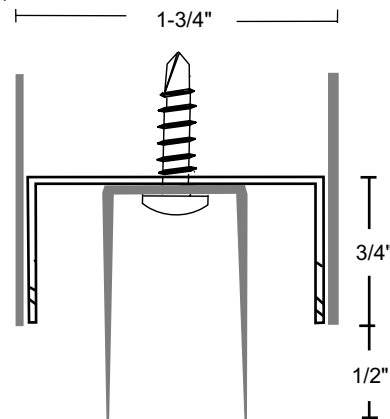
95WH-BB
Black Brush

95WHDKB
Black Brush



DOUBLE FIN DOOR SHOE

- ▶ Rigid Polypropylene Top with Flexible TPV Fins
- ▶ Designed for Hollow Metal Doors with Inverted Bottom Channel
- ▶ Furnished Undrilled
- ▶ #8 x 3/4" TEK Screws Furnished
- ▶ Available for 36" and 48" Door Widths



331
Black



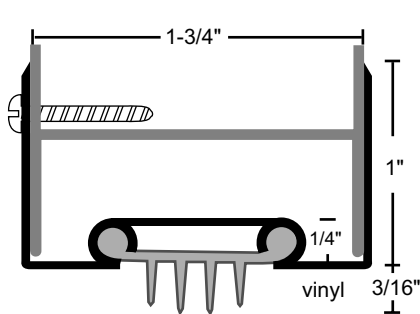
FINNED VINYL DOOR SHOES

All Products on This Page:

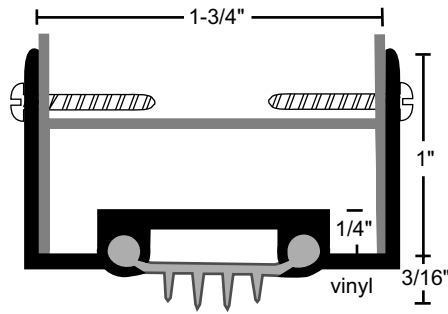


- #6 x 3/4" Stainless Steel SMS Furnished
- Screw Holes Slotted for Adjustment

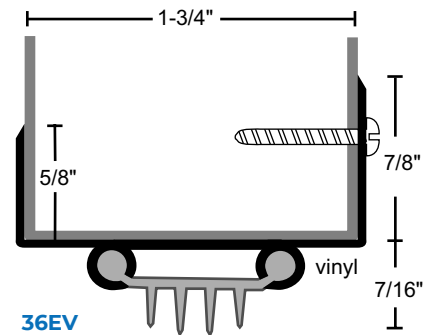
PRODUCT#	
SUFFIX	FINISH
A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized
None	Mill Aluminum
<i>Vinyl is Black</i>	



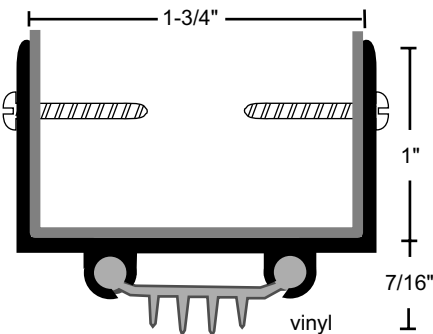
35EV
35EVDKB



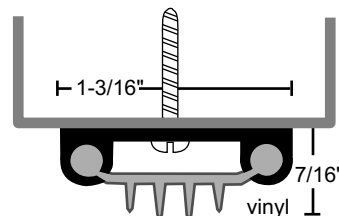
35VA
35VDKB



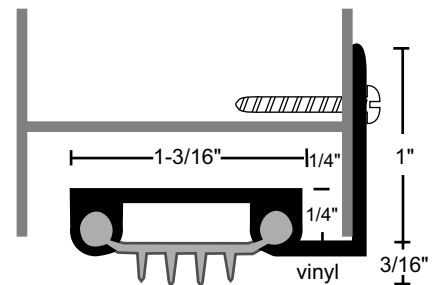
36EV
36EVDKB



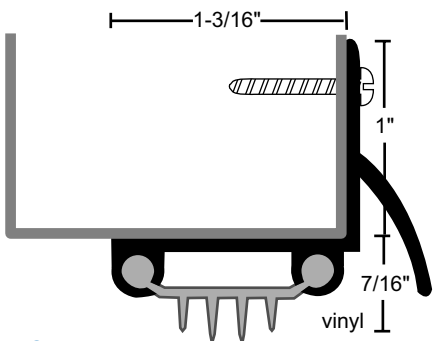
36VA
36VDKB



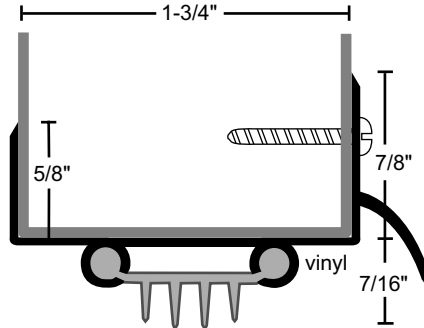
312V
312VDKB



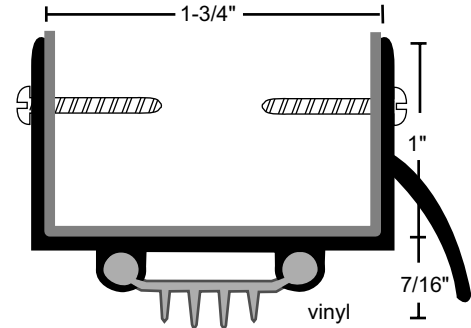
313VA
313VDKB



318V
318VDKB



319EV
319EVDKB



319V
319VDKB

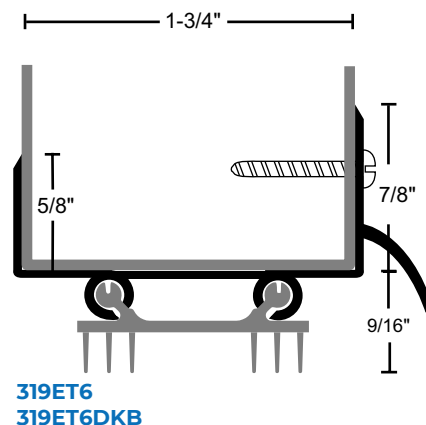
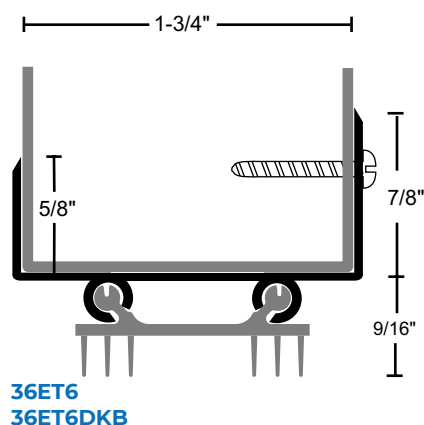
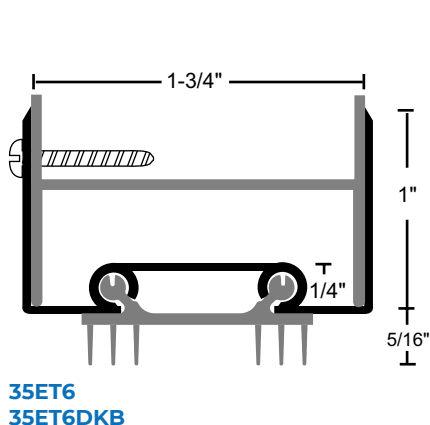
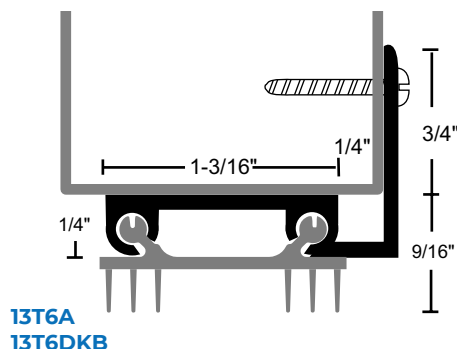
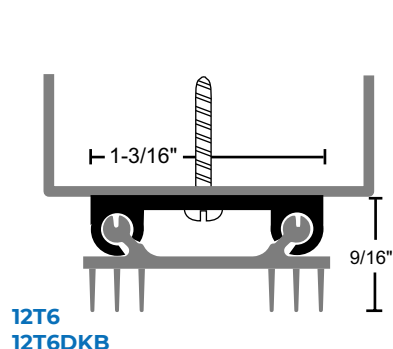
THERMOPLASTIC DOOR SHOES

All Products on This Page:

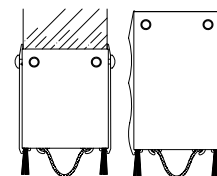
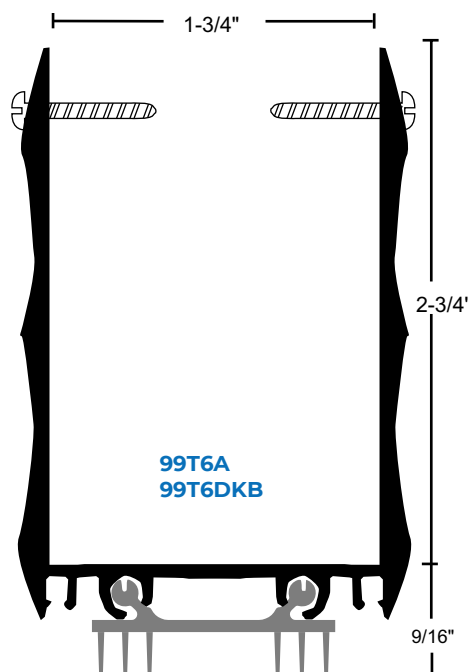
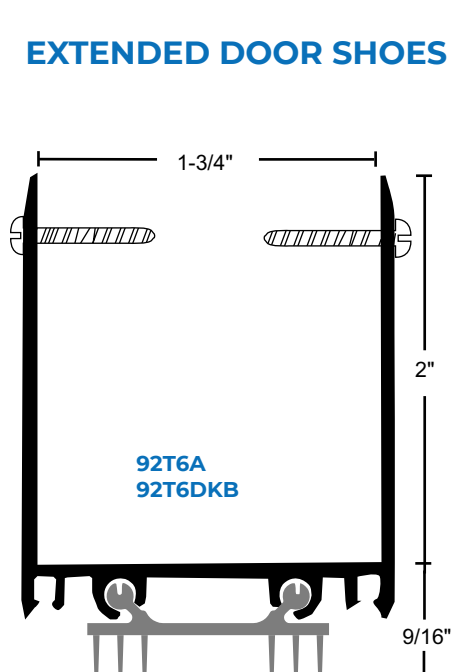


- ▶ Thermoplastic Polymer Seal with Rigid Base and Soft Vinyl Fins
- ▶ 48" Maximum Length
- ▶ #6 x 3/4" Stainless Steel SMS Furnished

PRODUCT#	
SUFFIX	FINISH
A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized
None	Mill Aluminum
<i>Thermoplastic is Dark Brown</i>	



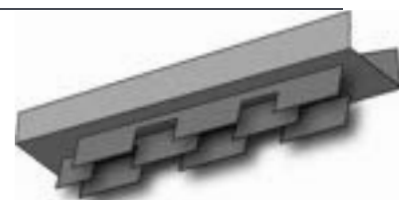
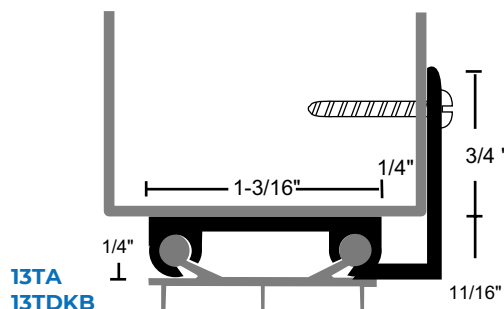
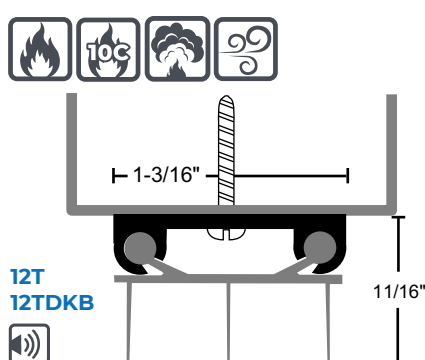
EXTENDED DOOR SHOES



End Caps Available - Sold Separately

THERMOPLASTIC DOOR SHOES

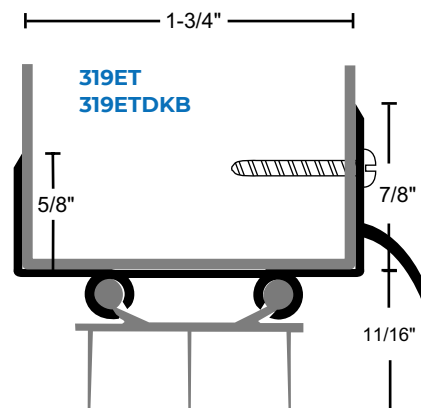
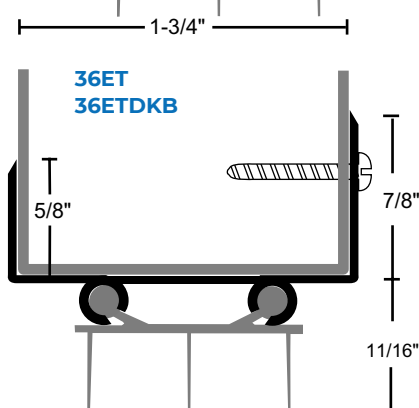
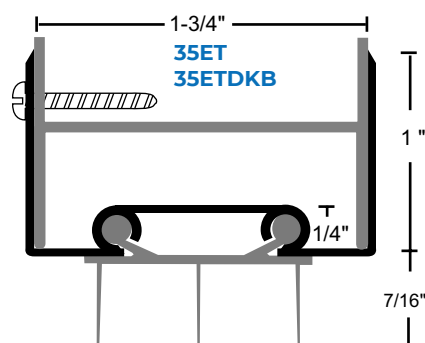
- ▶ Thermoplastic Polymer Seal with Rigid Base and Soft Vinyl Fins
- ▶ Available with Notched Fins to Allow Air Flow While Restricting Light, Suffix NF
- ▶ 48" Maximum Length
- ▶ #6 x 3/4" Stainless Steel SMS Furnished



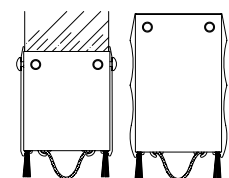
Option: Notched Fins - Suffix 'NF'

PRODUCT#	
SUFFIX	FINISH
A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized
None	Mill Aluminum

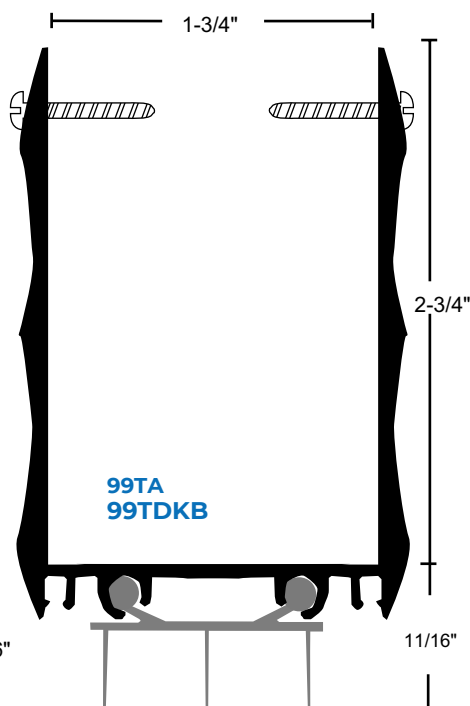
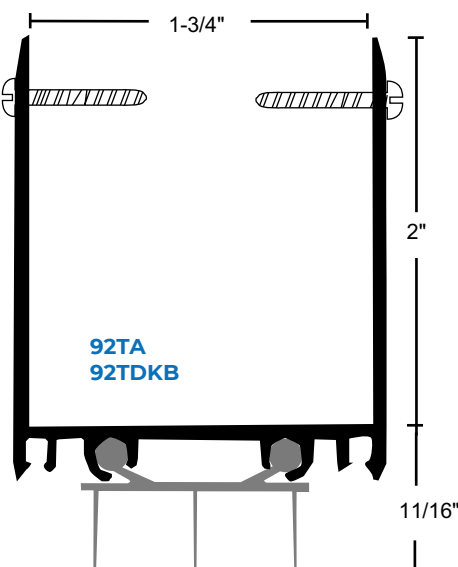
Thermoplastic is Dark Brown



EXTENDED DOOR SHOES

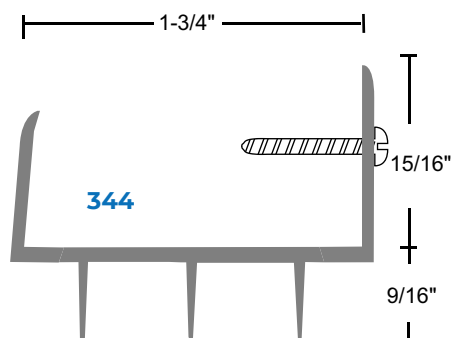


End Caps
Available -
Sold
Separately



RIGID THERMOPLASTIC DOOR SHOE WITH SOFT VINYL FINIS

- ▶ Available 36" and 48"
- ▶ Color is Dark Brown



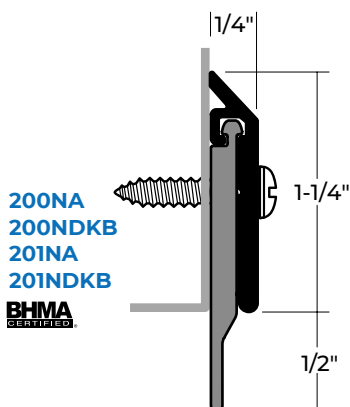
NEOPRENE AND SILICONE SWEEPS

NEOPRENE SWEEPS

- ▶ #6 x 3/4" Stainless Steel Sheet Metal Screws Furnished
- ▶ Screw Holes Slotted for Adjustment.

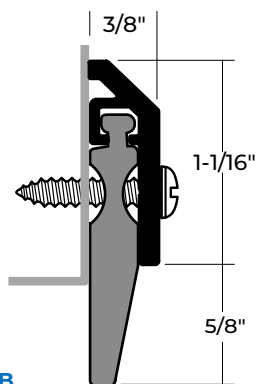


*except 203N



200NA
200NDKB
201NA
201NDKB

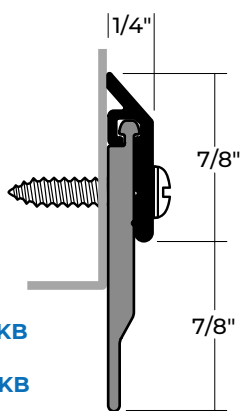
BHMA
CERTIFIED



202NA
202NDKB

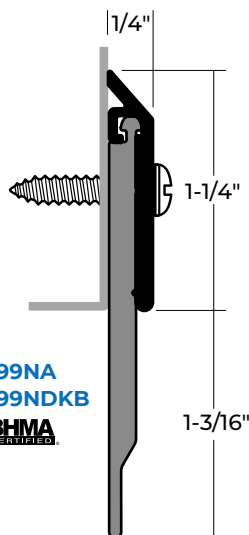
BHMA
CERTIFIED

#6 x 1" Stainless Steel SMS



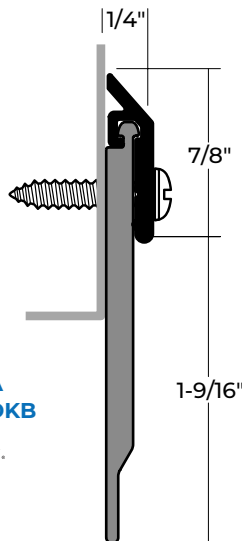
102VA
102VDKB
198NA
198NDKB

BHMA
CERTIFIED



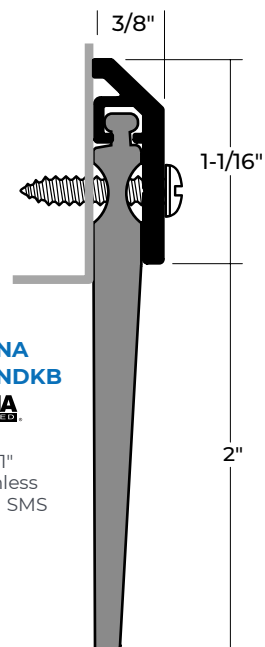
199NA
199NDKB

BHMA
CERTIFIED



197NA
197NDKB

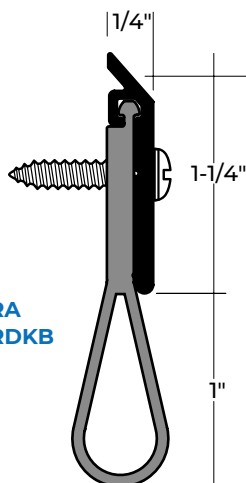
BHMA
CERTIFIED



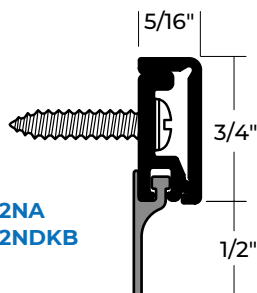
203NA
203NDKB

BHMA
CERTIFIED

#6 x 1"
Stainless
Steel SMS



2014RA
2014RDKB



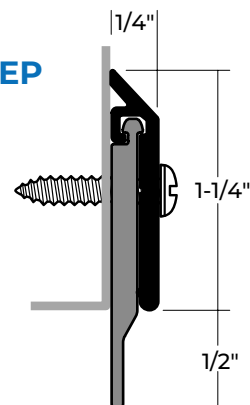
672NA
672NDKB

BHMA
CERTIFIED

SILICONE SWEEP

200SA
200SDKB

BHMA
CERTIFIED



200NA

Anodized Aluminum
Neoprene Door Sweep

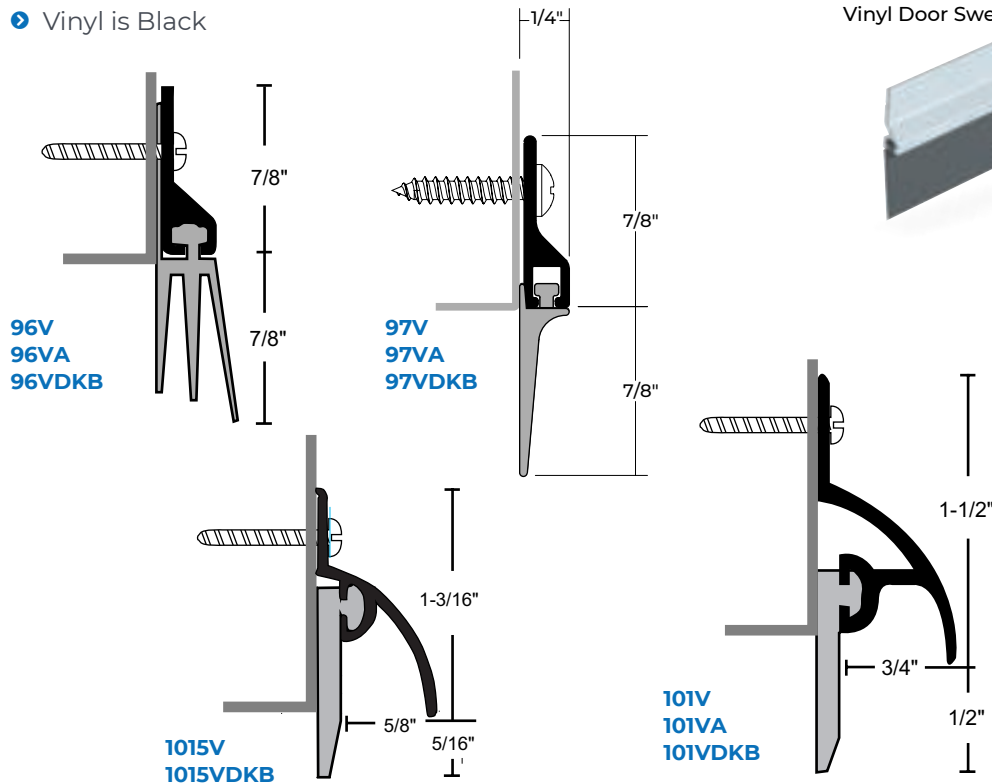
PRODUCT#	SUFFIX	FINISH
A		Anodized Aluminum
DKB		Dark Bronze / Black Anodized
None		Mill Aluminum

Neoprene and Silicone are Black

VINYL SWEEPS



- ▶ #6 x 3/4" Stainless Steel SMS Furnished
- ▶ Screw Holes Slotted for Adjustment
- ▶ Vinyl is Black



97VA

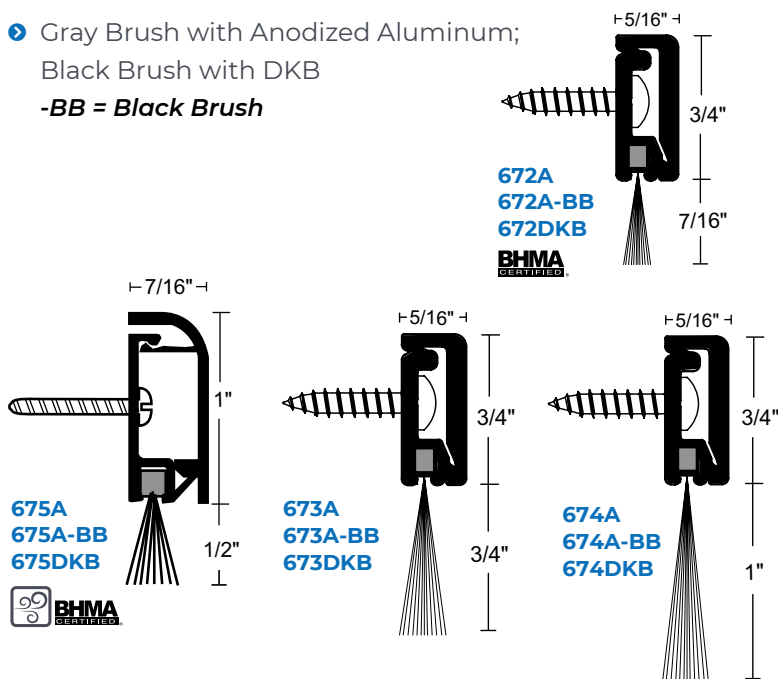
Anodized Aluminum
Vinyl Door Sweep

PRODUCT#	SUFFIX	FINISH
	A	Anodized Aluminum
	DKB	Dark Bronze / Black Anodized
	None	Mill Aluminum
-BB = Black Brush		

CONCEALED FASTENER NYLON BRUSH SWEEPS



- ▶ Gray Brush with Anodized Aluminum;
Black Brush with DKB
- BB = Black Brush



672A

Anodized Aluminum
Concealed Fastener with
Nylon Brush Sweep

NYLON BRUSH SWEEPS

- #6 x 3/4" Stainless Steel SMS Furnished
- Screw Holes Slotted for Adjustment



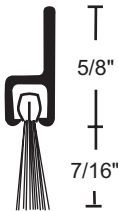
PRODUCT# SUFFIX	FINISH
A	Anodized Aluminum with Gray Brush*
DKB	Dark Bronze / Black Anodized with Black Brush
None	Mill Aluminum with Gray Brush

-BB = Black Brush

600A

Anodized Aluminum
Nylon Brush Seal
or Sweep

A605A
A605A-BB
A605DKB



B606A
B606A-BB
B606DKB



600
600-BB
600A
600A-BB
600DKB



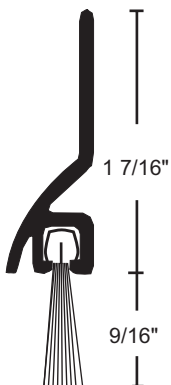
601
601-BB
601A
601A-BB
601DKB



C627A

Anodized Aluminum
Nylon Brush Seal
or Sweep

C627A
C627A-BB
C627DKB



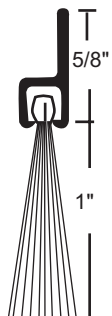
C607A
C607A-BB
C607DKB



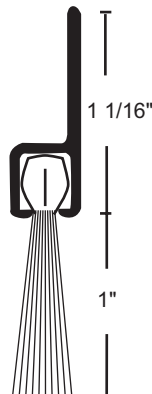
OV634A
OV634A-BB
OV634DKB



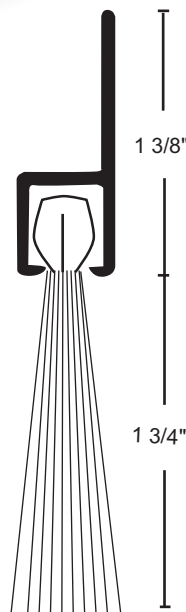
OV633A
OV633A-BB
OV633DKB



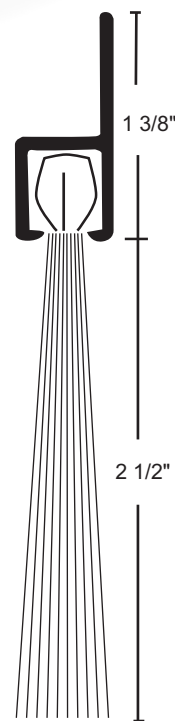
D608A
D608A-BB
D608DKB



G610A
G610A-BB
G610DKB



H612A
H612A-BB
H612DKB



NYLON BRUSH SEALS

WITH EPDM RUBBER INSERT

- EPDM Rubber Insert Protects Against Water Penetration and Provides an Effective Bottom Seal for Exterior Doors
- Excellent Abrasion Resistance, Flexibility and Memory
- Moisture-Resistant
- Retains Insecticides Well
- Temperature Range - 60°F to 350°F
- #6 x 3/4" Stainless Steel SMS Furnished
- Screw Holes Slotted for Adjustment

PRODUCT#

SUFFIX

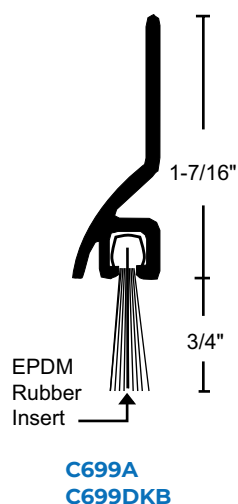
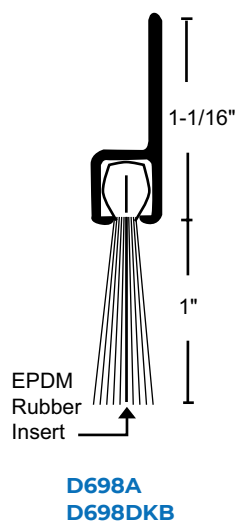
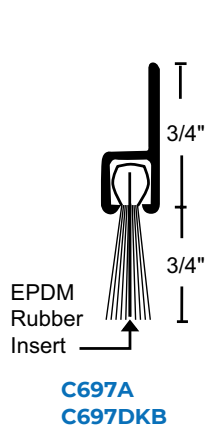
FINISH

A

Clear Anodized with Black Brush

DKB

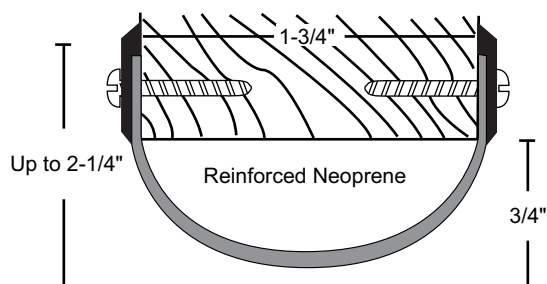
Dark Bronze /Black Anodized with Black Brush



DOOR BOTTOM SEALS

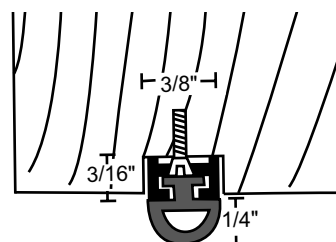
- Synthetic EPDM Rubber in Polypropylene Thermoplastic Matrix
- Flame-Resistant
- Moisture-Resistant
- Good Resistance to Ozone, Sunlight and Aging

PRODUCT#	
SUFFIX	FINISH
A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized
None	Mill Aluminum
Neoprene, Silicone & NGP-TPV are Black	



For 1 3/4" Doors:
14RA-1 3/4"
14RDKB-1 3/4"

For 2 1/4" Doors:
14RA-2 1/4"
14RDKB-2 1/4"



136N
136NDKB
 NGP-TPV

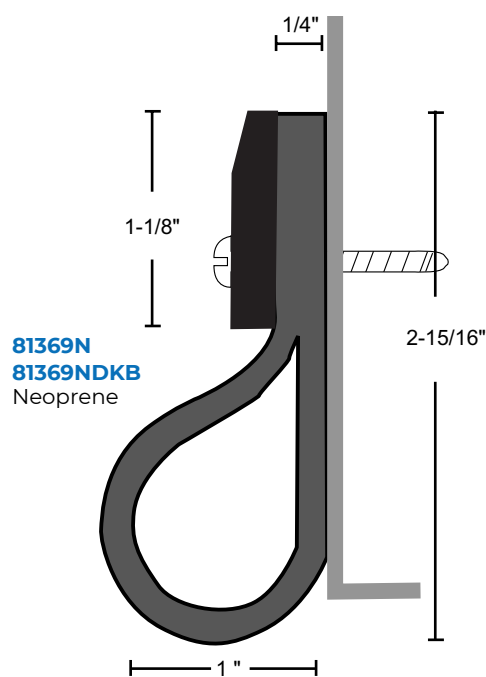


136S
136SDKB
 Silicone



Mortise 7/16" Wide x Desired Depth.
 #2 SMS Furnished

OVERHEAD DOOR BOTTOM SEAL



81369N
81369NDKB
 Neoprene

#8 x 1-1/4" Stainless Steel SMS



81369N
 Mill Aluminum
 Overhead Door
 Bottom Seal

- Synthetic EPDM Rubber in Polypropylene Thermoplastic Matrix
- Very Good Abrasion Resistance, Tensile Strength and Memory
- Flame-Resistant
- Moisture-Resistant
- Temperature Range -81°F to 275°F
- Good Resistance to Ozone Sunlight and Aging

SMOKE-RATED ASTRAGAL SEALS



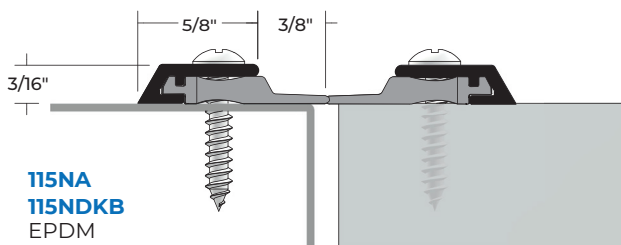
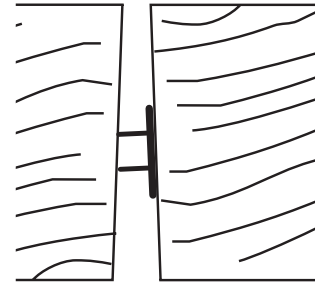
- Fire-Rated Astragal Seals Cannot Replace any Astragal Required on the Door by the Door Manufacturer to Maintain its Fire Label. IBC, NFPA 80, NFPA105, and NFPA 252 Require the Gap at the Meeting Edge Between Fire Labeled Doors Must Not Exceed $\frac{1}{8}$ "
- #6 x $\frac{3}{4}$ " Stainless Steel Sheet Metal Screws Furnished
- Screw Holes Slotted for Adjustment

METAL	EPDM	SILICONE	NYLON+
A - Anodized Aluminum	Black	Black	Gray
DKB - Dark Bronze / Black Anodized	Black	Black	Black
No Suffix - Mill Aluminum	Black	Black	Gray

-BB = Black Brush

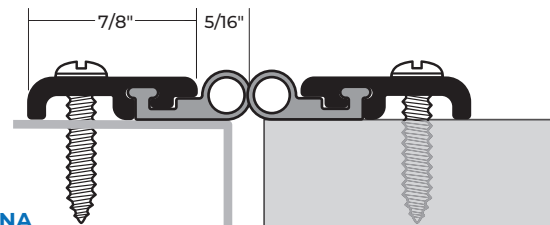
5070B Brown Self-Adhesive Silicone

5070CL Clear Self-Adhesive Silicone



115NA
115NDKB
EPDM
BHMA
CERTIFIED

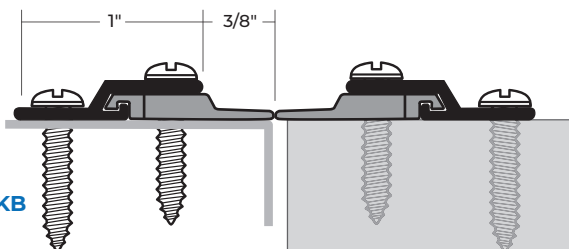
Provided as Two-Piece Set



137NA
137NDKB
Neoprene is Black

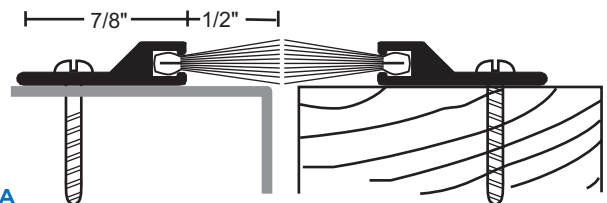
Order as **Set** to Receive Two Pieces

137SA
137SDKB
Silicone



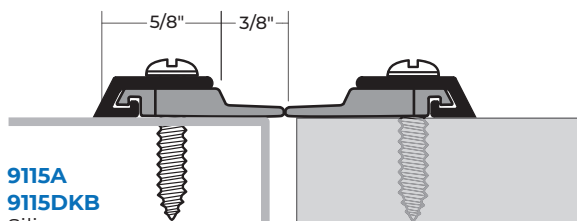
125NA
125NDKB
EPDM
BHMA
CERTIFIED

Provided as Two-Piece Set



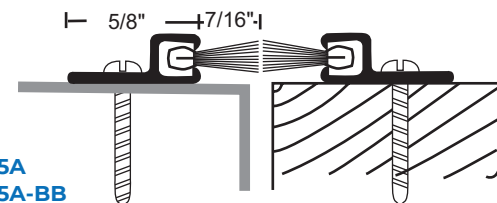
9600
9600A
9600A-BB
9600DKB
BHMA
CERTIFIED

Order as **Set** to Receive Two Pieces



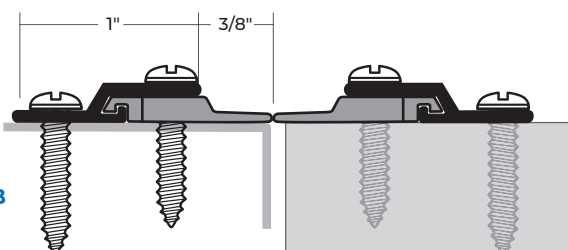
9115A
9115DKB
Silicone
BHMA
CERTIFIED

Provided as Two-Piece Set



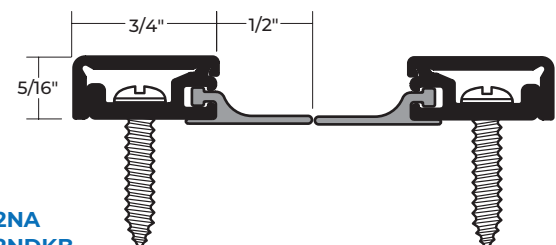
9605A
9605A-BB
9605DKB
BHMA
CERTIFIED

Order as **Set** to Receive Two Pieces



9125A
9125DKB
Silicone
BHMA
CERTIFIED

Provided as Two-Piece Set

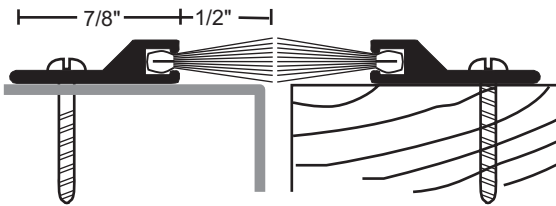


672NA
672NDKB

Order as **Set** to Receive Two Pieces

SURFACE MOUNTED ASTRAGAL SETS

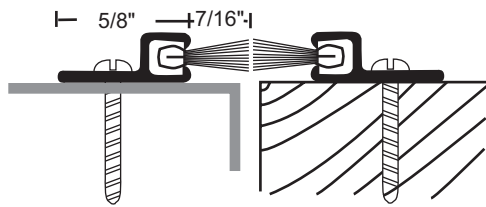
- ▶ #6 x 3/4" Stainless Steel SMS Furnished
- ▶ Screw Holes are Slotted for Adjustment



PRODUCT#	INSERT	FINISH
600	Gray Nylon Brush	Mill Al
600-BB	Black Nylon Brush	Mill Al
600A	Gray Nylon Brush	Anodized Al
600A-BB	Black Brush	Anodized Al
600DKB	Black Nylon Brush	Dark Bronze / Black Anodized



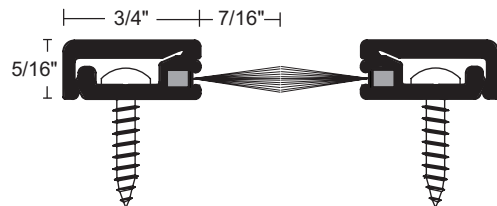
Order as **Set** to Receive Two Pieces



PRODUCT#	INSERT	FINISH
A605A	Gray Nylon Brush	Anodized Al
A605A-BB	Black Nylon Brush	Anodized Al
A605DKB	Black Nylon Brush	Dark Bronze / Black Anodized



Order as **Set** to Receive Two Pieces



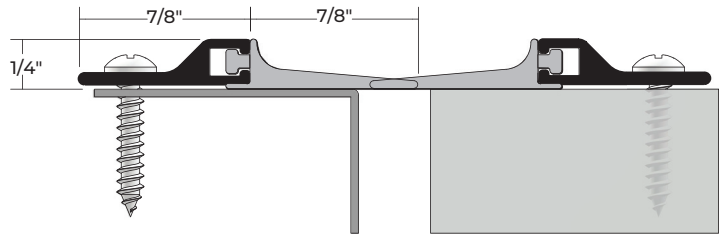
PRODUCT#	INSERT	FINISH
672A	Gray Nylon Brush	Anodized Al
672A-BB	Black Brush	Anodized Al
672DKB	Black Nylon Brush	Dark Bronze / Black Anodized



Order as **Set** to Receive Two Pieces

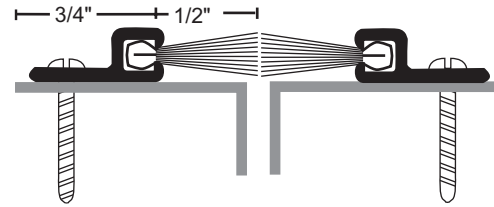


600A
Anodized Aluminum
Nylon Brush Seal
or Sweep



PRODUCT#	INSERT	FINISH
97V	Black Vinyl	Mill Al
97VA	Black Vinyl	Anodized Al
97VDKB	Black Vinyl	Dark Bronze / Black Anodized

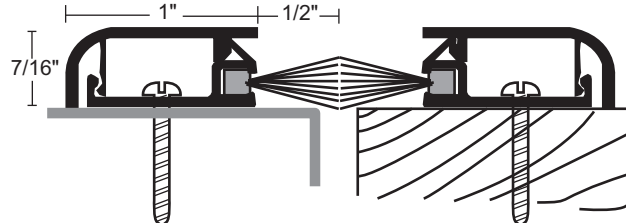
Order as **Set** to Receive Two Pieces



PRODUCT#	INSERT	FINISH
B606A	Gray Nylon Brush	Anodized Al
B606A-BB	Black Nylon Brush	Anodized Al
B606DKB	Black Nylon Brush	Dark Bronze / Black Anodized



Order as **Set** to Receive Two Pieces



PRODUCT#	INSERT	FINISH
675A	Gray Nylon Brush	Anodized Al
675A-BB	Black Brush	Anodized Al
675DKB	Black Nylon Brush	Dark Bronze / Black Anodized



Order as **Set** to Receive Two Pieces

SPRING ADJUSTABLE ASTRAGAL SETS

- ▶ Adjustment Screws on 10" Centers Allow Adjustment of the Seal Without Re-Positioning Mounting Location
- ▶ Spring-Loaded to Maintain Constant Pressure for the Most Effective Seal

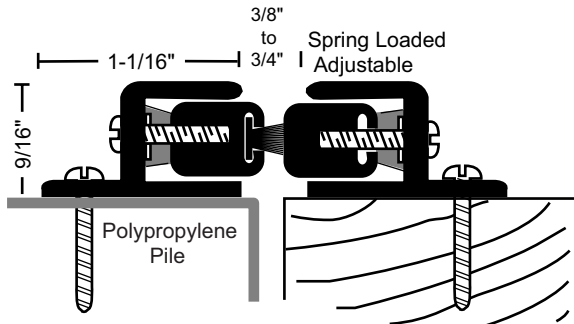


140PA

Anodized Aluminum
Spring Loaded Pile
Astragal

140PA 140PDKB

Pile is Gray



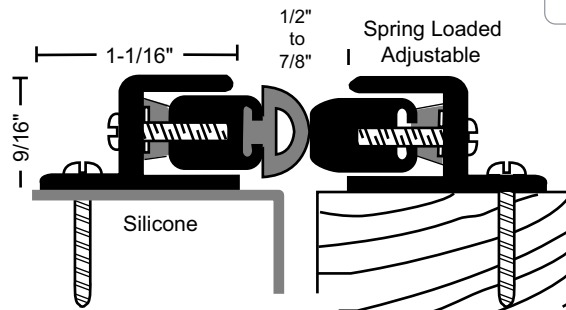
Provided as Two-Piece Set

PRODUCT# SUFFIX	FINISH
A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized
None	Mill Aluminum

*Pile is Gray
Silicone is Black*

140SA 140SDKB

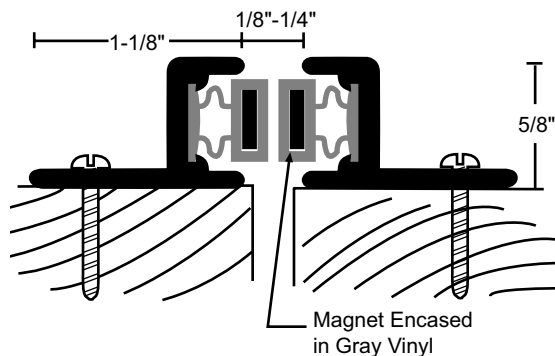
Silicone is Black



Provided as Two-Piece Set

MAGNETIC ASTRAGAL SETS

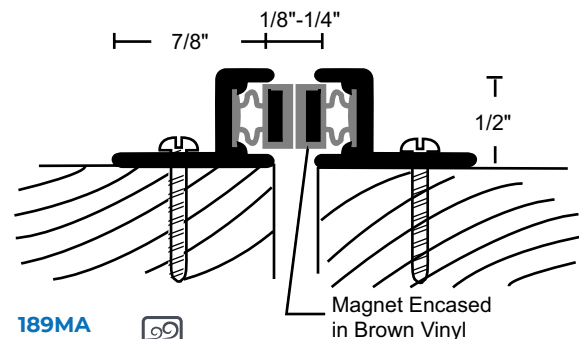
- ▶ #6 x 3/4" Stainless Steel SMS Furnished
- ▶ Screw Holes are Slotted for Adjustment
- ▶ Not Recommended for Use on Metal Doors



149MA 149MDKB



Provided as Two-Piece Set

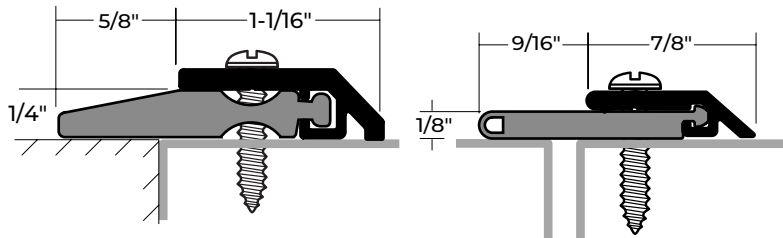


189MA 189MDKB



Provided as Two-Piece Set

OVERLAPPING ASTRAGALS



109NA
109NDKB
Neoprene

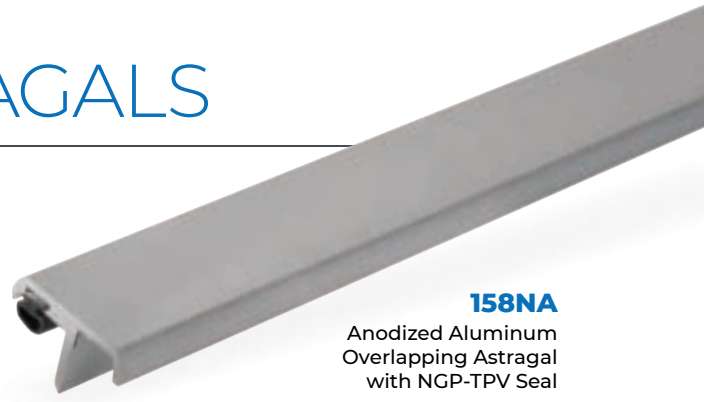


#6 x 1" & #6 x 3/4"
Stainless Steel
SMS Furnished

114NA
114NDKB
Neoprene



114SA
114SDKB
Silicone



158NA
Anodized Aluminum
Overlapping Astragal
with NGP-TPV Seal

158VA
158VDKB
Vinyl



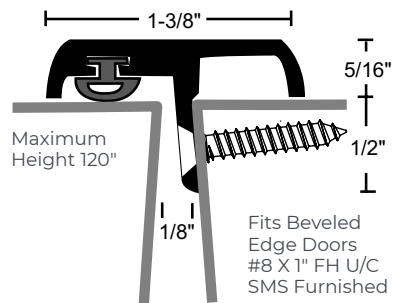
158NA
158NDKB
NGP-TPV



158SA
158SDKB
Silicone



158PA
158PDKB
Polypropylene Pile



Maximum
Height 120"

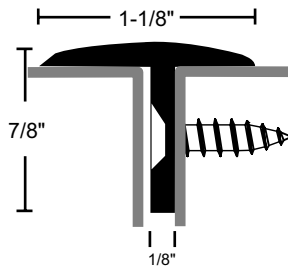
Fits Beveled
Edge Doors
#8 X 1" FH U/C
SMS Furnished

PRODUCT#	
SUFFIX	FINISH
A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized
None	Mill Aluminum

*Pile is Gray
Vinyl, Neoprene, NGP-TPV
and Silicone are Black*

176A
176DKB

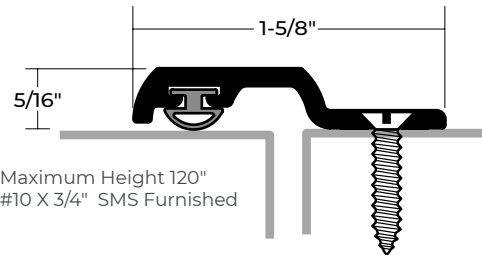
Maximum Height 120"
Fits Square Edge Doors
#10 X 3/4" SMS Furnished



178SA
178SDKB
Silicone



Maximum Height 120"
#10 X 3/4" SMS Furnished

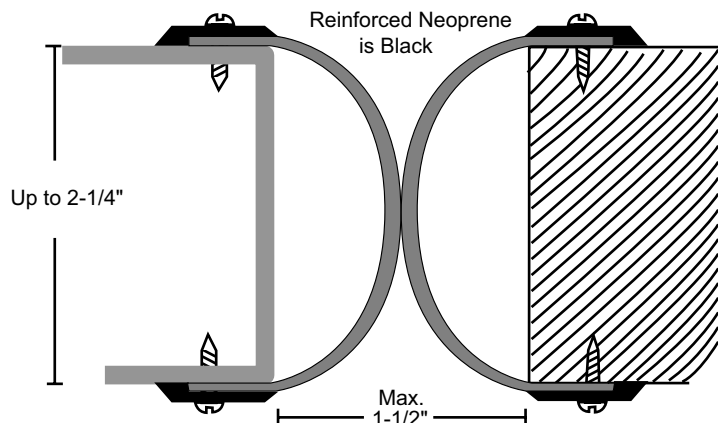


SPECIALTY ASTRAGAL

For 1 3/4" Doors:
14RA-1 3/4"
14RDKB-1 3/4"

For 2 1/4" Doors:
14RA-2 1/4"
14RDKB-2 1/4"

Order as Set to
Receive Two Pieces



Reinforced Neoprene
is Black

Max.
1-1/2"

SOLID METAL ASTRAGALS

- 1/16" Thick Lead Insert Available – Specify “Lead-Lined”
- Available with SNB, Specify

139SP Steel Prime Coat

139SPDKB Steel Dark Bronze



Furnished with #12 x 1 1/4" SMS.
Can Replace Astragal Required by the Door Manufacturer on Wood or Metal Fire-Rated Doors. IBC, NFPA80, NFPA 252 Require the Gap at the Meeting Edge Between Fire Labeled Doors Must Not Exceed 1/8". Astragal Must Overlap Gap and Inactive Door Minimum of 3/4".

139A Anodized Aluminum

139DKB Aluminum Dark Bronze / Black Anodized

#10 x 3/4" SMS Furnished

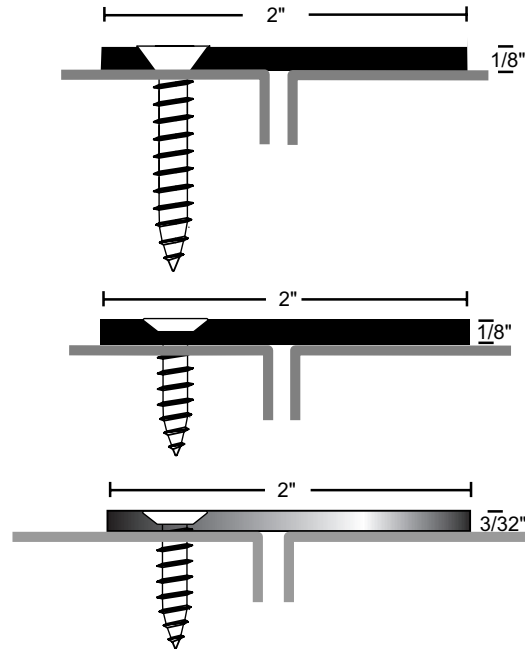
139SS Stainless Steel

Type 304 Brushed #4 Finish (US32D, 630)

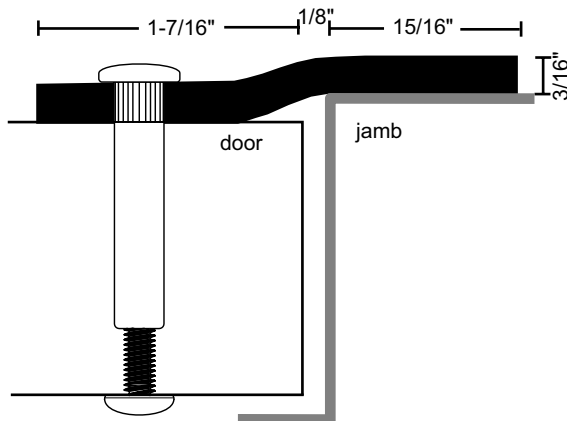
#10 x 3/4" SMS Furnished



139SP
Steel Astragal



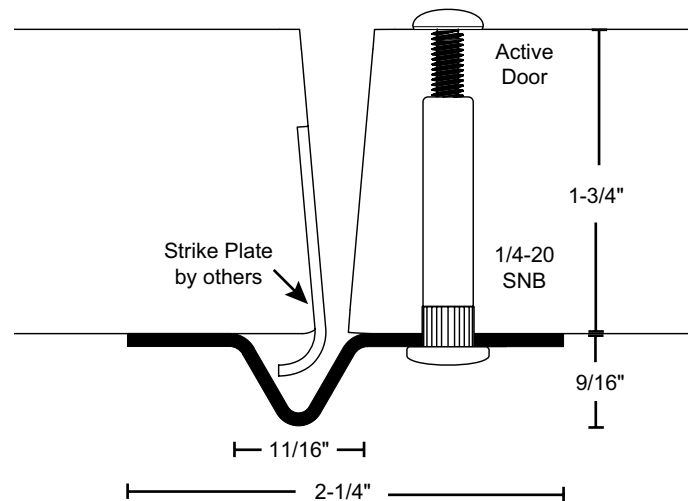
STEEL SECURITY ASTRAGALS



1392SP Steel Prime Coat



Maximum Height 120"
#1/4-20 SNB's Furnished



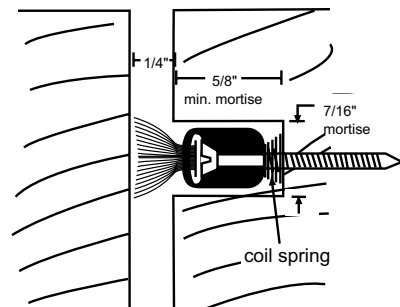
1390SP-83-1/8" 14 Ga. Galvanneal Steel

No Notching or Field Cutting
Needed for Curved Lip Strikes

1390SP-95-1/8" Prime Coat

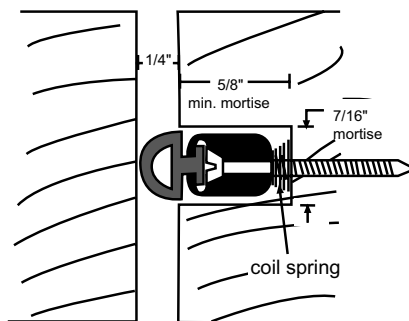


MORTISED ASTRAGALS



143PA
143PDKB
Polypropylene Pile

#6 SMS Furnished



143NA
143NDKB
Neoprene



#6 SMS Furnished

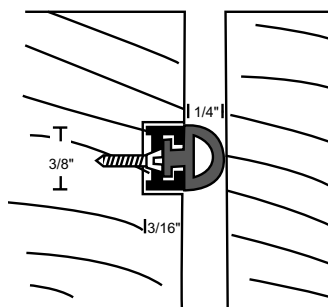
143SA
143SDKB
Silicone



143PA
Anodized Aluminum
Mortised Astragal with
Pile Seal

PRODUCT#	SUFFIX	FINISH
A		Anodized Aluminum
DKB		Dark Bronze / Black Anodized
None		Mill Aluminum

Nylon Brush and Pile are Gray
Vinyl, Neoprene, NGP-TPV
and Silicone are Black
-BB = Black Brush*



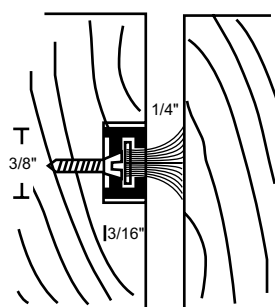
136N
136NDKB
NGP-TPV



136S
136SDKB
Silicone

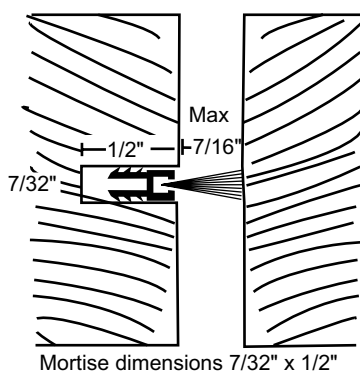


Mortise Dimensions 7/16" Wide x
Desired Depth. #2 SMS Furnished



136P
136PDKB
Polypropylene Pile

Mortise Dimensions 7/16" Wide x
Desired Depth. #2 SMS Furnished



A635
A635-BB
Nylon Brush



Order as **Set** to Receive Two Pieces
Maximum Length 108"

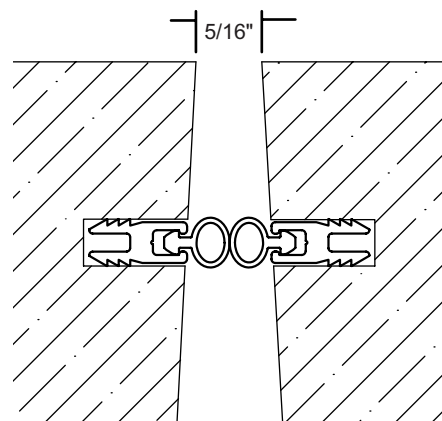
151N
NGP-TPV



151S
Silicone



151V
Vinyl

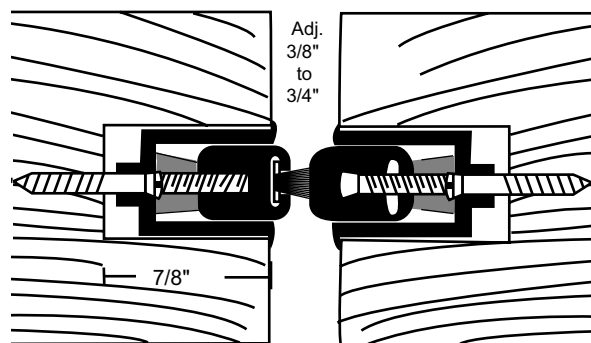


Mortise Dimensions 7/32" Wide x 1/2"
Order as **Set** to Receive Two Pieces
Maximum Length 108"

SPRING ADJUSTABLE MORTISED ASTRAGALS

- Adjustment Screws on 10" Centers Allow Adjustment of the Seal Without Repositioning Mounting Location
- Spring-Loaded to Maintain Constant Pressure for the Most Effective Seal

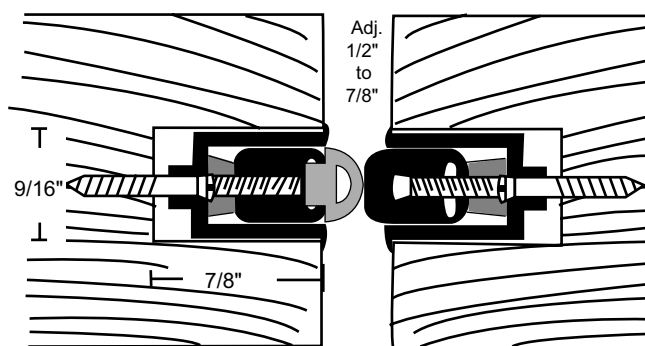
PRODUCT#	FINISH
SUFFIX	
A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized
Pile is Gray Silicone is Black	



Spring Loaded

144PA
144PDKB
Polypropylene Pile

Mortise Dimensions $\frac{3}{16}$ " Wide x $\frac{7}{8}$ "
#8 x $\frac{3}{4}$ " SMS Furnished
Provided as Two-Piece Set



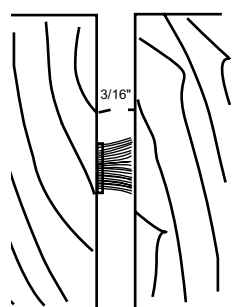
Spring Loaded

144SA
144SDKB
Silicone

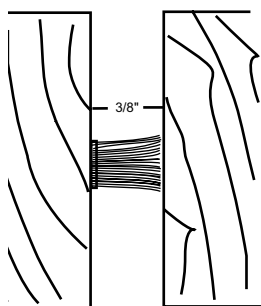


Mortise Dimensions $\frac{3}{16}$ " Wide x $\frac{7}{8}$ "
#8 x $\frac{3}{4}$ " SMS Furnished
Provided as Two-Piece Set

SELF-ADHESIVE PILE ASTRAGALS



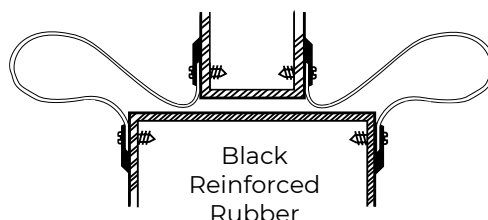
340P
Polypropylene Pile



336P
Polypropylene Pile

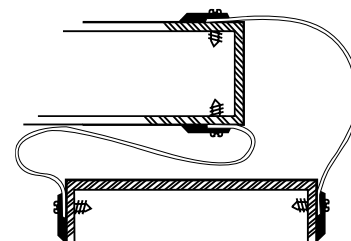
SAFETY SEAL FOR DOUBLE-ACTING DOORS

- Seals and Closes Gap at Heel of Double-Acting or Center Pivoted Doors
- #6 x $\frac{3}{4}$ " Stainless Steel Sheet Metal Screws Furnished



1000RA
1000RDKB

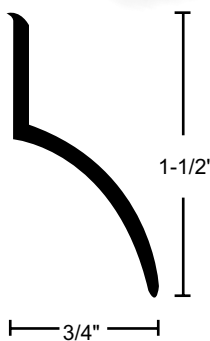
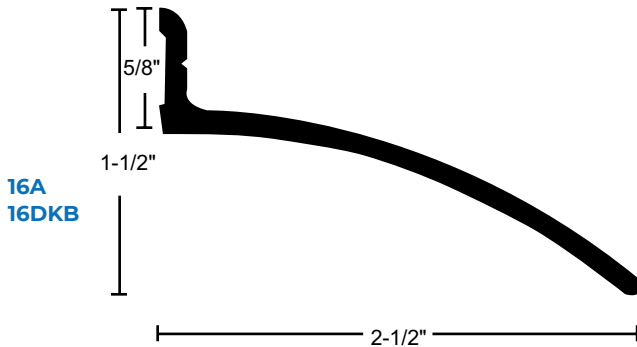
5", 10" or 16" Overall Widths Available - Specify



GUARDS / SEALS

RAIN DRIP GUARDS

- ▶ #6 x 3/4" Stainless Steel SMS Furnished

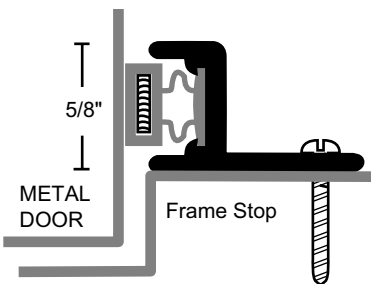


16A
Anodized Aluminum
Drip Strip

PRODUCT#	FINISH
SUFFIX	
A	Anodized Aluminum
DKB	Dark Bronze / Black Anodized
None	Mill Aluminum

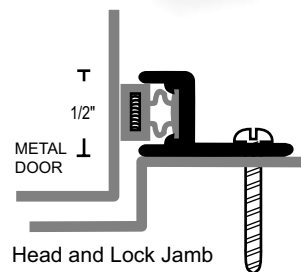
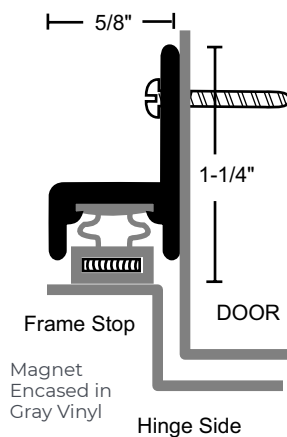
MAGNETIC SEALS

- ▶ #6 x 3/4" Stainless Steel SMS Furnished
- ▶ Screw Holes Slotted for Adjustment
- ▶ Maximum Length 144"



Head and Lock Jamb

159MA
159MDKB

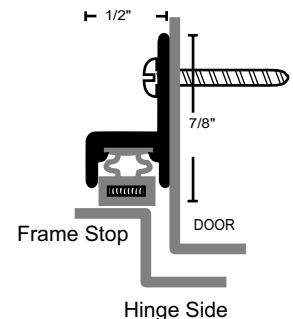


Head and Lock Jamb

157MA
157MDKB



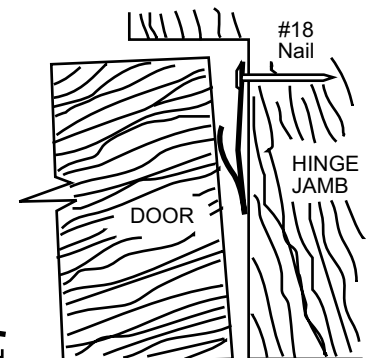
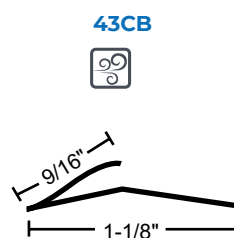
Magnet Encased in Brown Vinyl



159MA
Anodized Aluminum
Magnetic Seal

CUSHION BRONZE WEATHERSTRIP

- ▶ Cushion Material Will Not Coil. Specify Lengths Required (36", 48", 72", 86", And 96".) Nails Not Included
- ▶ Normal Installation Requires 3/4 lb. of Nails Per 100 ft. of Weatherstrip; Install 2" O.C. Zinc Plated Bronze Finish Nails Available in 1 lb. Bags
- ▶ Wafer Head Pilot Point Drive Nails Make Excellent Applications for Metal Jambs, Normal Installation Requires 6 Per Foot
- ▶ Install Using #41 Drill Bit. Available with Fast Attach Tape - Specify X "FATT"



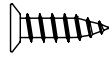
GASKETING FASTENERS



#2 x 1/2" FH
Phillips SMS



#4 x 5/8" TH
Phillips SMS
Use 5/64" Drill



#6 x 1/2" FH
Phillips SMS
Use 7/64" Drill



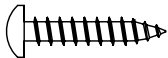
Phillips Head
Top View



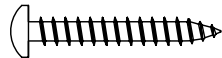
Spanner Head
Top View



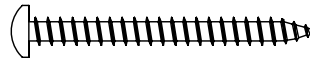
Torx Security
Top View



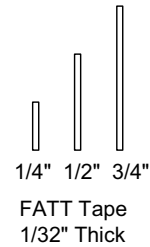
#6 x 3/4" PH
Phillips SMS
Use 7/64" Drill



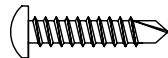
#6 x 1" PH
Phillips SMS
Use 7/64" Drill



#6 x 1 1/2" PH
Phillips SMS
Use 7/64" Drill



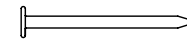
#6 x 1/2"
Phillips
TEK Screw



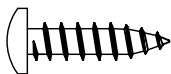
#6 x 3/4"
Phillips
TEK Screw



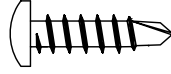
#6 x 1"
Phillips
TEK Screw



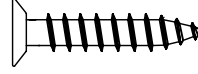
#18 x 7/8" Nail for
Spring/Cushion
Bronze Weather Strip
on Wood Jamb



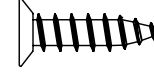
#8 x 3/4" PH
Phillips SMS
Use 9/64" Drill



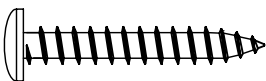
#8 x 3/4"
Phillips
TEK Screw



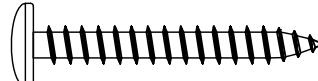
#8 x 1" FH
Phillips U/C SMS
Use 9/64" Drill



#10 x 3/4" FH
Phillips U/C SMS
Use 11/64" Drill



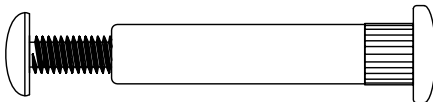
#8 x 1 1/4" TH
Phillips SMS
Use 9/64" Drill



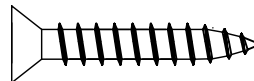
#10 x 1 1/2" TH
Phillips SMS
Use 11/64" Drill



#4 Wafer Head Drive Nail
for Spring/Cushion
Bronze Weather Strip
on Metal Jamb
Use #41 Drill Bit for Pilot Hole



#1/4 - 20 Phillips SNB



#12 x 1 1/4" FH
Phillips SMS

PH = Pan Head
FH = Flat Head
TH = Truss Head
MS = Machine Screw
SMS = Sheet Metal Screw
SNB = Sex Nut & Bolt
U/C = Undercut

NOTES

NOTES



For the most up-to-date
Gasketing
Catalog scan the QR code
or visit ngp.com.



ngp.com
1-800-NGP-RUSH

FAX: (800) 255-7874
QUOTES: quotes@ngp.com
ORDERS: orders@ngp.com

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4985 East Raines Road
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CARSON CITY
3689 Arrowhead Drive
Carson City, NV 89706