Reese

WEATHERSTRIPS & THRESHOLDS

From start to finish, we're here when you need us.

Phone (800) 328-0953
Fax (800) 334-8823
www.reeseusa.com
info@reeseusa.com

GENERAL INFORMATION

All Reese products comply with the Buy American Act (BAA) and the American Reinvestment and Recovery Act (ARRA).

FIRE RATED — UL10B Tested. See page 5.

POSITIVE PRESSURE — UL10C Positive Pressure Test. See page 5.

SMOKE AND DRAFT CONTROL TEST — Category H Listed, UL-1784. For use on "S" labeled doors. See page 6.

SOUND TEST — ASTM standard E90-75. See page 7.

AIR INFILTRATION TEST — E283-73 AND SDI 116 Air. See page 7.

EDGE SEAL TESTED — UL10C Category G. See page 29.

ADA COMPLIANT THRESHOLDS — These thresholds have less than 1/4" vertical rise, beveled rise slope no greater than 1:2 up to 1/2", and ramps with slope less than 1:12. They meet ANSI spec. A117.1.

MATERIAL DESIGNATIONS

A – Mill finish aluminum

B – Architectural brass

BLK – Black anodized aluminum

C – Clear anodized aluminum

D – Dark bronze anodized aluminum

G – Gold anodized

SS – Stainless steel

V – Vinyl insert

N – Neoprene insert

U – Polyurethane insert

P – Pile insert

PR – Polyprene insert

S – Silicone insert

Material Finishes

Aluminum extrusions shown are alloy 6063-T5. They are available in mill finish, clear, gold and duranodic bronze finish as noted.

Bronze extrusions are alloy 385 architectural bronze. They are furnished in mill finish, which is a light brass color.

Spring bronze weatherstrips are roll-formed from 85/15 red brass strip.

All vinyl weatherstrips are extruded from "cold weather" vinyl, which remains flexible down to -30°F and is in compliance with commercial standard CS230-60, as published by the U.S. Department of Commerce and ASTM D-2287-81.

Polyurethane is an ether-based elastomeric thermoplastic, resin especially developed for low temperature flexibility, abrasion resistance and durability. See page 23 for more attributes.

All expanded (sponge) neoprene is closed cell, and extruded with a tough outer skin for extra abrasion resistance or slitted without outer skin. It is black in color for maximum weatherability. See page 25 for more attributes.

Silicone rubber is a synthetic polymer able to withstand a wide range of temperature extremes. See page 24 for more attributes.

Polyprene is a thermoplastic rubber compound developed by Reese that has excellent low temperature flexibility and weather resisting qualities. See page 24 for more attributes.

c/c — Code Acceptability, Certification

All Reese products are guaranteed for two years against defects in material or workmanship. Defective goods will be replaced or repaired, at our option. No claims for damage incurred or work done thereon will be allowed. Reese does not assume liability for consequential damages or delays, and claims for labor will not be allowed.

pp — Product Presentations

Product drawings in this catalog are full size cross-section profiles, unless noted, and are designed to illustrate the uses and applications of the products. Dimensions not shown may be obtained by scaling the drawings. Catalog illustrations are sufficiently accurate to use as templates.

a/c — Availability, Costs

All products in this catalog are stocked for prompt shipment at our Rosemount, Minnesota plant. Catalogs and price lists are available from our plant.

STANDARD SCREWS FURNISHED WITH THRESHOLDS: No. 10 Phillips Flat Head Wood Screws in appropriate length.
STANDARD SCREWS FURNISHED WITH WEATHERSTRIP: 6 x 5/8" pan screws (furnished for most weatherstrips)

Fire Rated Weatherstrips and Thresholds

All fire rated weatherstrips and thresholds listed on this page have been tested and have pass **THE POSITIVE PRESSURE REQUIREMENTS UL10C AND MEETS CAN4-S104-2010. CATEGORY J LISTED GASKETING**. UL rated materials cover the fire test of door assemblies for **UL10B**.

The "F" prefix designates that the product has been fire tested and that each piece has the UL label attached*. Materials are not shipped with the UL label unless specified by ordering with the prefix "F-".

*Fire rated labels at no extra charge

WEATHERSTRIPS

Adjustable Door Stop	33, 59, 95, 99, 399, 599, 633, 659	Drawing on Page 28
Astragal	M35, DS75, 92, 93, 95P, 95V, 103, 129P, 129V, 203, 276, 678, 688, 792, 804, 807, 954, 955, 959, 961, 964, 967	Drawing on Page 32
Hardware Compatible Perimeter Gasket	653, 655, 657, 754, 755, 757, 758, 759, 775, 786, 854, 855, 856, 858, 859, 875	Drawing on Page 27
Perimeter Seal	39, 49, DS62, DS63, DS69, DS70, DS75, DS76, DS77, DS78, DS79, 93, DS106, 128V, 129P, 129V, 364, 373, 612, 619, 669, 678, 688, 769, 770, 778, 779, 788, 795, 804, 807, 815, 818, 822, 863, 884, 888, 918, 934, 954, 955, 956, 958, 959, 961, 962, 964, 965, 967, 968, 970, 973	Drawing on Page 23
Self-Adhesive Weatherstrip	588, 608, 628, 629, 631, 632, 638, 793, 797, 798	Drawing on Page 29

DOOR BOTTOMS

Automatic Door Bottom	320, 321, 330, 370, 372, 430, 521, 933, 934	Drawing on Page 38
Door Shoe/Extender	DB591F, DB591U, DB592F, DB592U, DB593F, DB593U, DB594F, DB594U, DB595F, DB595U, DB596F, DB596U, DB600F, DB600U, 1030, 1031, 1032, 1033	Drawing on Page 37
Door Sweep	M15, M35, 64, 323, 353, 354, 362, 377, DB469, 602, 603, 701, 772, 773, 805, 806, 810, 825 954, 955, 960, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 973, 977, 978, 979, 984, 985, 986	Drawing on Page 36 Drawing on Page 30

THRESHOLDS

All Aluminum, Brass, and Stainless-Steel	Drawing on Page 8-22
Hospitality Thresholds	Drawing on Page 41

UL 10 C – Category J Listed

Intended for application to/with listed steel frames and/or classified hollow metal or steel covered composite type fire doors rated up to 3 hours; wood composite and plastic covered type fire doors rated up to 1-1/2 hours; and wood core type 20 minutes.

UL 10 B

Intended for application to/with listed steel frames and/or classified hollow metal or steel covered composite type fire doors rated up to 3 hours; wood composite type fire doors rated up to 1-1/2 hours; and wood core type 20 minutes w/o hose stream.

Smoke and Draft Control Gasketing

For Use on 'S' Labeled Doors. Category H Listed Smoke and Draft Control Gasket. Complying with UL 1784 Standard for Air Leakage Tests of Door Assemblies and Other Openings Protectives. S

Tested for The Following Applications:

Wood Core Door Rated Up to 20 Minutes with Hose Stream
Wood and Plastic Covered Composite Fire Doors Rated Up to 1-1/2 Hours
Steel Covered Composite and Hollow-Metal Doors Rated Up to 3 Hours

Adjustable Door Stop		
Neoprene	33, 59, 99, 399, 599	Drawing on Page 28
Silicone	633 and 659	Drawing on Page 28
Astragal		
Neoprene	93	Drawing on Page 32
Nylon Brush	959, 964, 967	Drawing on Page 33
Polyprene	92, 103, 792, 793(with 183), 797(with 183), 798(with 183)	Drawing on Page 32
Silicone	638(with 183)	Drawing on Page 32
Vinyl	M35	Drawing on Page 32
Hardware Compatible Perimeter Seal		
Neoprene	757	Drawing on Page 27
Polyprene	755 and 855	Drawing on Page 27
Polyurethane	775 and 875	Drawing on Page 27
Silicone	653, 655, 657	Drawing on Page 27
Perimeter Seal		
Neoprene	39, 49, DS69, DS70, DS76, DS77, DS78, DS79, 364, 373	Drawing on Page 25
Nylon Brush	918, 934, 956, 958, 959, 961, 964, 967	Drawing on Page 30
Polyprene	815 and 818	Drawing on Page 24
Polyurethane	769, 770, 778, 779, 788, 795	Drawing on Page 23
Silicone	612, 619, 669, 678, 688	Drawing on Page 24
Self-Adhesive Perimeter Seal		
Intumescent*	588	Drawing on Page 29
Polyprene	793, 797, 798	Drawing on Page 29
Silicone	638	Drawing on Page 29

*588 Also Rated as Category G, Edge Sealing System. See Page 29 for More Information.

Note: Any UL 10C Classified Threshold, Automatic Door Bottom, Door Sweep, or Door Shoe May Be Installed (Although Not Required) on a 'S' Label Door Without Affecting the Label.

AIR INFILTRATION TEST RESULTS

Tests conducted by a leading independent testing laboratory.

HEAD & JAMB	THRESHOLD	DOOR BOTTOM	25 MPH CFM RATING
DS62	NONE	321	.22
DS62	BOTTOM SEALED CLOSED		.13
DS70	S498A	NONE	.08
DS75	NONE	321	.25
DS75	BOTTOM SEAL CLOSED		.16
DS78	S498A	NONE	.13
DS79	S498A	330	.03
399	NONE	521	.23
599	NONE	521	.04
770	S498A	330	.03
797	NONE	321	.13
797	BOTTOM SEAL CLOSED		.02

E283-73 and SDI 116 Air

WEATHERSTRIPS SAVE ENERGY AND MONEY

In these energy conscious times, we understand that a door perimeter which leaks air, costs money. In addition, smoke can pose a life threatening hazard to anyone exposed.

Reese has tested many seal combinations to determine effectiveness against air and smoke infiltration. This was done in conformance with ASTM test procedure E283-73 and SDI 116, at a static pressure of 1.56 psf — the equivalent of a 25 mph wind. The results are shown on the chart at left.

SOUND PROOFING TESTS

Reese Enterprises, Inc. offers a wide variety of proven soundproofing door seals. Used in conjunction with sound rated doors, they will provide you with the sound reduction you require. Below are results of test conducted by a leading acoustical testing laboratory.

What is an STC Rating?

These letters stand for Sound Transmission Class — a single number rating devised by the American Society for Testing and Materials (ASTM). This rating provides the manufacturer or consumer with a measurement of the relative sound insulating performance of a barrier such as a wall, partition, or door and its seals, allowing performance ranking of competing products.

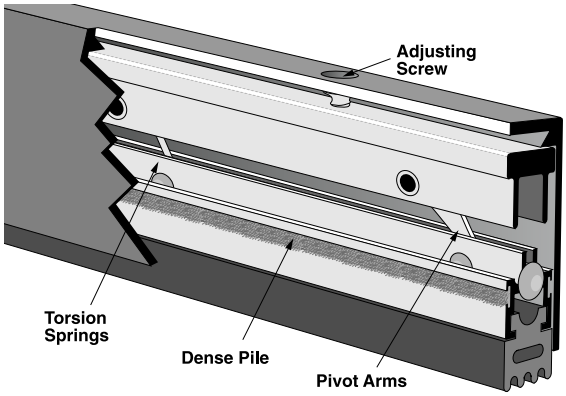
HEAD & JAMS STRIP	THRESHOLD	DOOR BOTTOM	DOOR CAULKED SHUT (Inoperable)	DOOR OPERABLE with REESE SEALS
599	None	521	STC 51	STC 46
599	S498A	330	STC 51	STC 45
99	None	330	STC 44	STC 37
770	None	330	STC 44	STC 37
DS79	S498A	330	STC 44	STC 41
792	None	321	STC 34	STC 28
793	None	321	STC 34	STC 28
797	None	321	STC 32	STC 28
DS75	None	321	STC 32	STC 29
DS70	None	320	STC 32	STC 28

It is derived in accordance with exacting test procedures outlined on ASTM Standard E90-75. The specimen to be tested is mounted between two large reverberation rooms. These rooms are arranged and constructed so that the only significant sound transmission between them is through the test specimen. A sound signal, consisting of a series of eighteen 1/3 octave bands of random (pink) noise, is introduced into one room, called the source room. Then measurements are made to determine the Noise Reduction caused by the barrier — the source room sound level minus the receiving room sound level — at each

ASTM Standard E90-75

test frequency. These noise reduction measurements are then mathematically converted to a Transmission Loss (TL) figure in decibels (dB) for each frequency band. The TL figures are then compared to standard ASTM STC reference contours (ASTM E313-73). These standard contours are designed to correlate TL figures with overall subjective impressions of the sound insulation provided by a barrier against the sounds of speech, radio, television, music, and similar sources of noise typical in offices and dwellings. The STC rating is the highest contour where the sum of the deficiencies (that is the deviations below the reference contour) is not greater than 32dB and the maximum deficiency at any single test frequency is 8dB. The higher the number, the greater the individual TL values of a barrier; consequently, the greater the sound insulation properties.It should be noted that this rating is a result of the average TL of many frequencies. If you have a noise control problem in just one frequency range, it would be better to look at individual TL values at that frequency range rather than just the STC rating when selecting products.

Automatic Door Bottoms



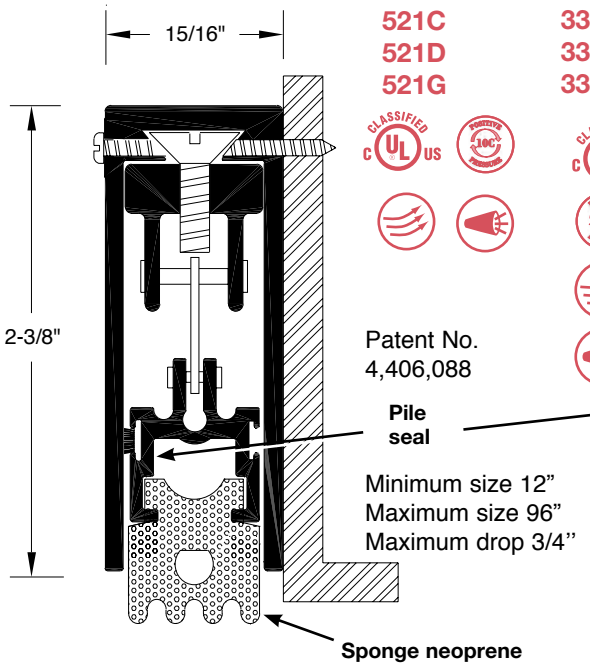
The Reese No. 521 Automatic Door bottom offers positive sound control for all swinging doors up to 8 feet wide. Our patented design combines low operating force with an adjustable sealing bar. Used in conjunction with Reese No. 599 Head and Jamb Seal, it achieved an amazing STC Rating of 46! See page 27 for test results.

Automatic door bottoms:
18" to 24" cannot be trimmed.
36", 42" and 48" can be trimmed up to 3"*.
Other sizes can be trimmed up to 1".**
When mortising door bottoms add 1/16" to 1/8" to part dimension.
***Reese Part No. 321 can only be trimmed 1" at the size 42".**
****Reese Part No. 370 can be trimmed up to 2" in all sizes.**

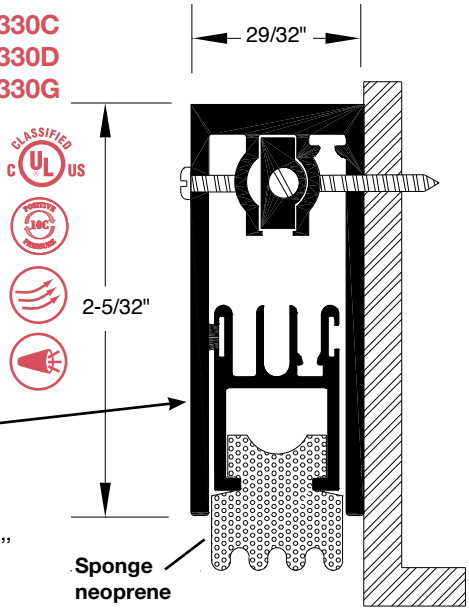
PLEASE NOTE:

Door bottoms are NOT DESIGNED TO SEAL DIRECTLY ON CARPET. For best results door bottoms should seal on a solid surface. The solid surface should be positioned above the level of the floor covering on either side of the door.

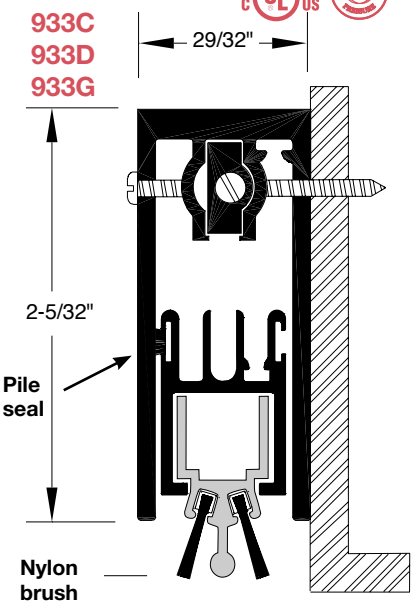
521C 521D 521G



330C 330D 330G

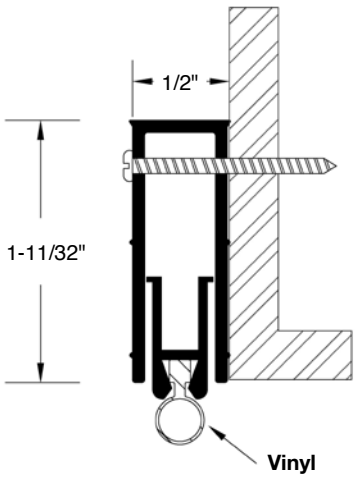


933C 933D 933G



Minimum size 24"; Maximum size 48"; Maximum drop 3/4"

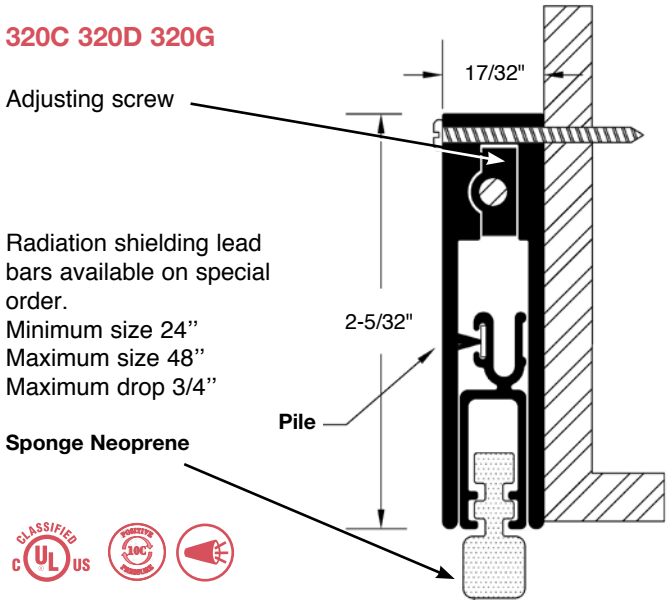
321C 321D 321G



Fixed drop 1/2"

Minimum size 12"
Maximum size 48"

320C 320D 320G



Finish Designations: • A Aluminum mill finish • B Architectural brass • BLK Black anodized aluminum • D Dark bronze anodized aluminum • G Gold anodized aluminum

Mortised Automatic Door Bottoms

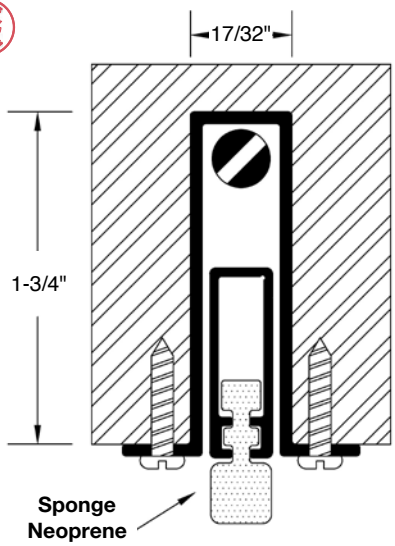
Automatic door bottoms:
18” to 24” cannot be trimmed.
36”, 42” and 48” can be trimmed up to 3”*.
Other sizes can be trimmed up to 1”.**
When mortising door bottoms add 1/16” to 1/8” to part dimension.
***Reese Part No. 321 can only be trimmed 1” at the size 42”.**
****Reese Part No. 370 can be trimmed up to 2” in all sizes.**

PLEASE NOTE:

Door bottoms are NOT DESIGNED TO SEAL DIRECTLY ON CARPET. For best results door bottoms should seal on a solid surface. The solid surface should be positioned above the level of the floor covering on either side of the door.

370A
With sponge neoprene in bar

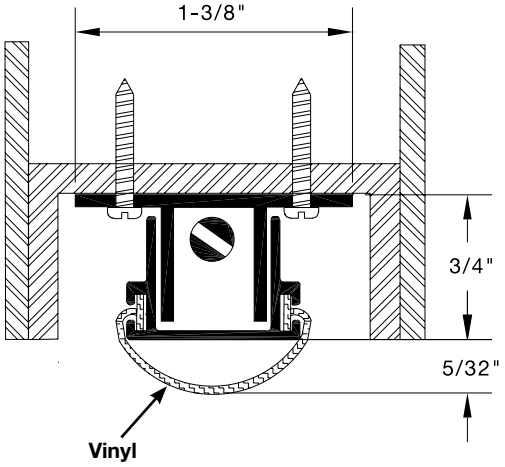
370A LEAD
With lead in bar for X-ray shielding
Minimum size 24”
Maximum size 60”
Maximum drop 3/4”



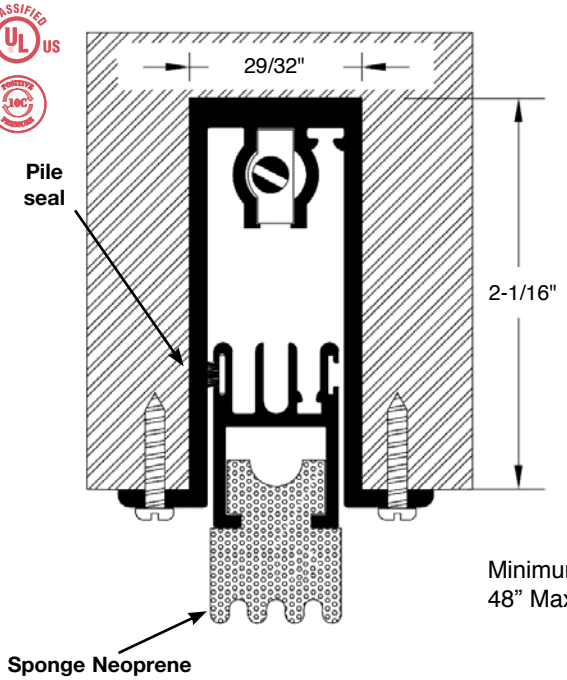
372A
FOR HOLLOW METAL DOORS

Completely concealed in bottom channel of hollow metal doors.

Minimum size 24”
Maximum size 60”
Maximum drop 1/2”
36” pre-cut to 35-1/2”

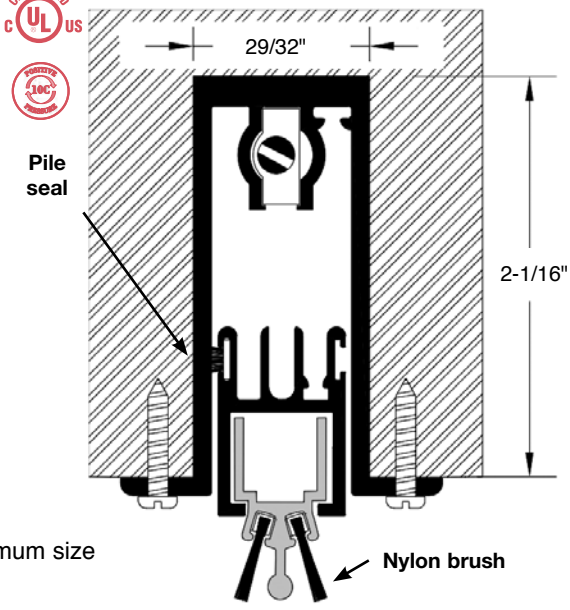


430A



Minimum size 24” Maximum size 48” Maximum drop 3/4”

943A



Reese Enterprises

Reese WEATHERSTRIPS &THRESHOLDS

Reese Enterprises is a family owned business that has been designing American made door hardware and entrance floor mats and grates since 1918.

We pride ourselves in reducing stress and headaches by providing one of the best customer service teams in the industry, along with quality products, great order packaging, and fast lead times.

Post Office Box 459
Rosemount, MN 55068-0459
Phone (800) 328-0953
Fax (800) 334-8823
www.reeseusa.com
info@reeseusa.com

NEW HOSPITALITY LINE

Vinyl Thresholds, Quick Seal Adhesives, Dark-AN Door Bottoms

SEE PAGES 41-43