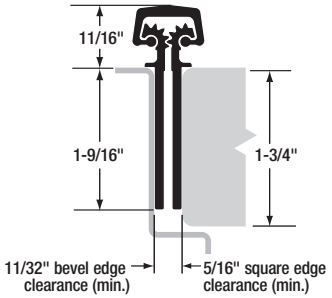
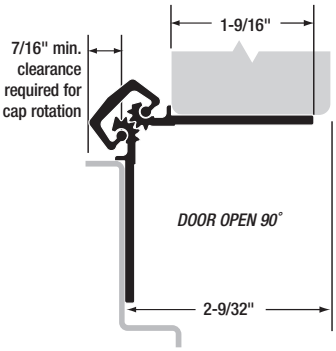
SELECT HINGES™

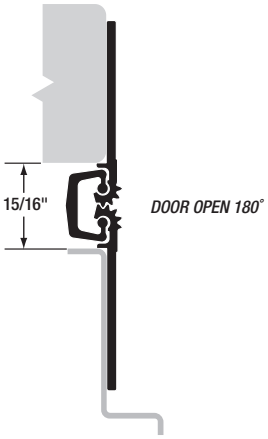
SPECIFICATIONS

SL11 Concealed Geared Continuous Hinge



DOOR CLOSED





MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83", 85", 95" and 120" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY RATINGS: For 1-3/4" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Standard Duty — Tested per BHMA standards for medium-frequency doors up to 200 lb. without frame or door reinforcement.

Heavy Duty — Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame and door.

Heavy Duty (LL) — Our HD hinge with additional fastener holes for low-frequency doors up to 1,000 lb., including most lead-lined doors. Rivnuts are recommended in the frame and door on extremely tall, extremely heavy or wide doors.

FINISHES: All SL11 hinges are stocked in Clear, Dark Bronze and Black anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and standard duty (SD), heavy duty (HD) or heavy duty with additional fastener holes (LL). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT, ATW, EMS, CTW4, CTW5, CTW8, CTW10, CTW12, CMG, AP and RP. For CTW12 prep, please consult factory for engineering approval.

BHMA CERTIFICATION: SL11SD, SL11HD and SL11LL geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.

SL11 HINGE SCREW COUNT

HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
79" HD	19	19
83" SD/HD	19	19
85" SD/HD	19	19
95" SD/HD	21	21
120" SD/HD	23	23
83" LL	26	26
85" LL	26	26
95" LL	30	30
120" LL	34	34

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Information subject to change without notice.

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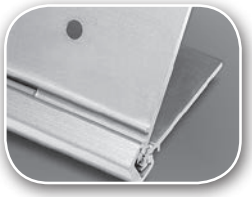
SPECIFICATIONS

SL11 Concealed Geared Continuous Hinge

SELECT Advantages



PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*

LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*

ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.

MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*

PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes**. **3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*

CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*

COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*

CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and "kick-back" energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. "Kick-back" energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge's 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL11 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL11 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL11 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.

Geared to ship in 48 HOURS™

Tested to last 60+ years CONTINUOUS WARRANTY™

c UL us LISTED

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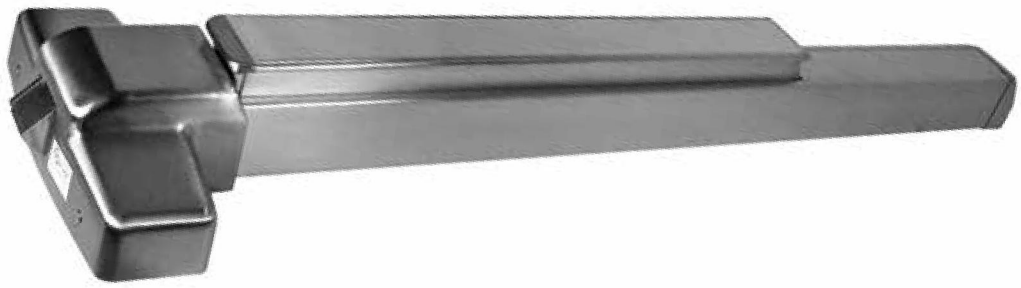
SERIES M9900 - EXIT DEVICE

RIM MOUNT



US LISTED

MARKS #	FUNCTION
M9900	Rim Panic
M9900F	Fire Rated Rim Panic
M9900 - 48	Rim Panic - 48”
M9900F - 48	Fire Rated Rim Panic - 48”

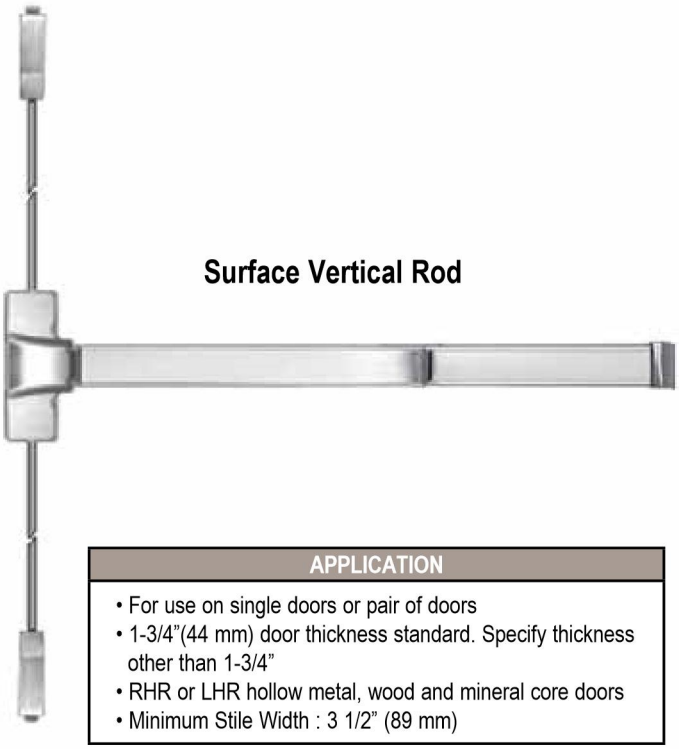
OPTIONS	
M9900	33” LENGTH FOR 36” DOOR
M9900 - 48”	42” LENGTH FOR 48” DOOR

SPECIFICATIONS

- Doors: 1-3/4” thick standard.
- End cover: Flush mounted beveled “Panic Protector” design.
- Strike: Roller strike.
- Rail Assembly: Extruded Aluminum, 32D finish.
- Dead latch Bolt: Stainless Steel 3/4” throw.
- Dead latch Bolt: Stainless Steel 5/8”.
- Dogging feature: Allen Key (M9900)
- Ul listed: For “Panic Hardware” and Fire Rated Model 3 hour fire doors up to 38” x 86”.
- ANSI: ANSI 156.3 (2001), requirements for Grade 1.
- 3 Hour Fire Rating
- Finish: 32D

- EXTRUSION HEAVY GAGE, 32D FINISH
- PANIC PROTECTOR™ END CAP
- LIFETIME MECHANICAL WARRANTY
- EASY INSTALLATION, ECONOMICAL

SERIES M9900 VR - EXIT DEVICE



Surface Vertical Rod

MARKS #	FUNCTION
M9900 VR	Rim Panic Vertical Rod
M9900F VR	Fire Rated Rim Panic Vertical Rod
M9900 - 48 VR	Rim Panic Vertical Rod - 48”
M9900F - 48 VR	Fire Rated Rim Panic Vertical Rod - 48”

APPLICATION

- For use on single doors or pair of doors
- 1-3/4”(44 mm) door thickness standard. Specify thickness other than 1-3/4”
- RHR or LHR hollow metal, wood and mineral core doors
- Minimum Stile Width : 3 1/2” (89 mm)

32D FINISH

SPECIFICATIONS

Device Head Cover: Zinc alloy or stainless steel
Chassis: Steel, plated
Mechanism Housing: Extruded aluminum
Push Bar Base: Extruded aluminum
Touch Plate: Stainless steel
End Cap: Stainless steel
Top Latch: Stainless steel 37/64” (14.8mm)
Top Strike: Included
Bottom Latch: Stainless steel 37/64” (14.8mm)
Bottom Strike: Included
Latch Case Covers: Steel, stainless steel or brass
Vertical Rods: Aluminum tube
Hand: Non-handed
Mounting: Machine screws standard. Sex bolts optional. Order “SNB” for wood or unreinforced metal doors
Dogging: Allen-type key furnished
Finish: 32D
Outside Trim: Order separately
Standard height: For 7'0” doors
UL Listed: ANSI/BHMA Grade1 Panic Exit Hardware, 3-Hour Fire Rating

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6-Pin and 7-Pin Interchangeable Cores

6-PIN AND 7-PIN INTERCHANGEABLE CORES:

STANDARD FEATURES:

IC6 / IC7:

- Solid brass construction
- Accepts original pins when pinning to existing master key system
- Cap style
- Available 6-pin or 7-pin. Uncombinated

CASE QTY: 20

Interchangeable Cores

APPLICATIONS:

After-market installation for replacement of a malfunctioning small format interchangeable core cylinder. Integrated into existing master key system or keyed with brand new system.

6-pin 7-pin

6-Pin and 7-Pin Interchangeable Cores

How to Order - Nomenclature

IC 6 B A 26D

TYPE
IC = Small Format Interchangeable Core

PIN
6 = 6-Pin
7 = 7-Pin

CAP TYPE
B = Barrel

KEYWAY (BEST COMPATIBLE)
A, B, C, D, E, F, G, H, J, K, L, M, Q

FINISH
26D = US26D = Satin Chrome
4 = US4 = Satin Brass

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Dummy Cylinders, T-Turns, and IC Mortise and Rim Housings

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DUMMY CYLINDERS, T-TURNS, AND HOUSINGS:

STANDARD FEATURES:

MC-IC / RC-IC:

- Compatible with cores from Arrow®, Best®, Falcon®, and KSP®
- Removable cam design allows changing of cams (cams available separately)
- Mortise / Rim housings feature solid brass construction
- Straight and tapered mortise housings available

MC-DC / MC-TT:

- Solid brass construction
- 4 lengths (15/16", 1", 1-1/8", 1-1/4")

CASE QTY: 10

APPLICATIONS:

After-market replacement.

Dummy Cylinders

MC-DC

Thumb-Turn Cylinders

MC-TT

IC Mortise Housing

MCT-IC

MC-IC

IC Rim Housing

RC-IC

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Dummy Cylinders, T-Turns, and IC Mortise and Rim Housings

How to Order - Nomenclature

Dummy Cylinders and T-Turns

MC 118 TT 10B ST

CAM STYLE
ST = Standard
AR = Adams Rite

FINISH
3 = US3 = Bright Brass
10B = US10B = Dark Bronze
26D = US26D = Satin Chrome

SIZE*
100 = 1"
1516 = 15/16"
118 = 1-1/8"
114 = 1-1/4"

TYPE
TT = Thumb-Turn
DC = Dummy Cylinder

TYPE
MC = Mortise Cylinder
RC6 = Rim Cylinder

IC Mortise and Rim Housings

MC-IC 6 AR 10B

FINISH
3 = US3 = Bright Brass
10B = US10B = Dark Bronze
26D = US26D = Satin Chrome

CAM / TAILPIECE STYLE
ST = Standard
AR = Adams Rite
CL = Corbin
SA = Sargent
SL = Schlage
LZ = Lazy Motion (RC-IC 7 only)

PIN
6 = 6-Pin
7 = 7-Pin

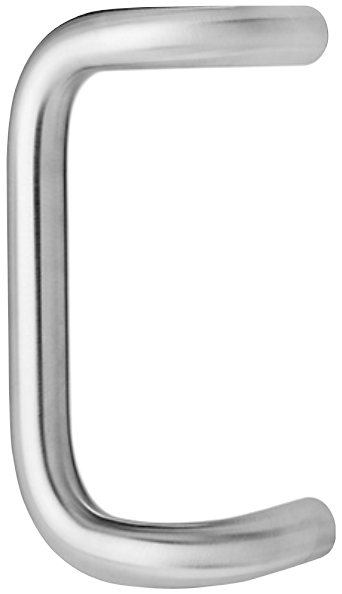
TYPE
MC-IC = Mortise
MCT-IC = Mortise, Tapered
RC-IC = Rim

Architectural Door Accessories

ASSA ABLOY

The global leader in door opening solutions

Rockwood BF157 - 90° Offset Door Pulls



Specifications:

MATERIAL:
Aluminum, Brass, Bronze, Stainless Steel

FASTENER:
1/4"-20 x 2 1/4" thru bolt & finish washer (standard 1 3/4" door)

FEATURES:
Recommended for ADA openings

OPTIONS:
- Back to back mounting in pairs — use BTB suffix and mounting type number (BF157BTB16)
- Concealed mounting single pulls — use C suffix and mounting type number (BF157C17)
- Advise if door thickness is other than 1 3/4"
- Heavy duty versions of most fastening types available — use suffix HD to fastening type number (BF157BTB16HD)

Available Finishes:

- US28/628
- 313/710
- 315/711
- Powder Coat
- US3/605
- US4/606
- US10/612
- US10B/613
- US10BE/613E
- US26/625
- US26D/626
- US32D/630
- US32/629
- US32DMS
- US32D316
- US32316

MATERIAL SIZE:
1" dia.

CTC:
10"

OVERALL:
11"

BASE:
1"

PROJECTION:
3 1/2"

CLEARANCE:
2 1/2"

OFFSET:
4"

WEIGHT:
4.3 lbs.

ANSI A156.6: J402

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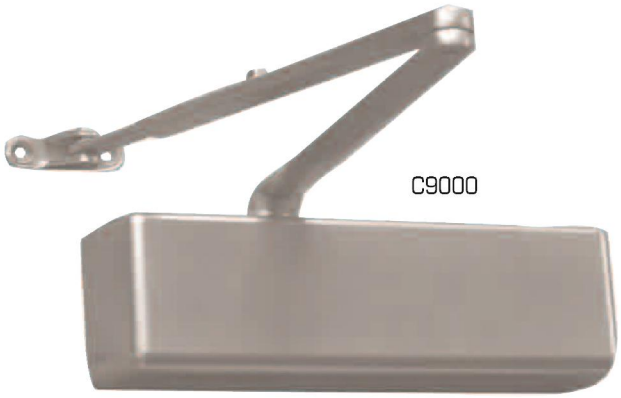
C9000 Series Door Closer

APPLICATIONS:

Suitable for high-traffic doors in office buildings, hospitals, schools, hotels, restaurants, nursing homes, apartments, and retail complexes. The 9000 Series surface closer has a heavy-duty cast iron body and forged steel arms, and is ideal for institutional and other heavy-use applications. The 9000 Series offers a high-quality alternative to other cast iron closers, comes in two finishes, and optional drop plates allow for installation in any situation. The C9016 comes with a 25-year warranty, one of the best in the industry. The C9016 is your best choice for high-traffic areas where rugged durability is the solution for superior door control.



C9000

STANDARD FEATURES:

CERTIFICATIONS: UL LISTED	ANSI 156.4 Grade 1, UL Listed and UL 10C, Meets ADA requirements when adjusted to size 1
SIZES:	Adjustable 1-6
HANDING:	Non-handed for regular top-jamp and parallel arm installations
ARMS:	Standard tri-packed for regular arm, top jamb and parallel arm application
COVERS:	Full cover standard
ADJUSTING:	Standard sweep, latching and backcheck valves
MATERIALS:	Cast iron body, forged steel arm Closer fluid non-gumming and non-freezing
MOUNTING HARDWARE:	Wood and machine screws; sex nuts and bolts
CASE QTY:	4
WARRANTY:	25-year warranty

ARMS AND PLATES:

9016-DP	Drop plate for the 9000 Series closer
9016-DP PA	Parallel arm drop plate for 9000 series closer
9016-H	Friction hold-open arm for the 9000 Series closer
9016-MH	Mechanical hold - open arm with turn and stop for the 9000 series closer

GENERAL LOCK

Quality & Value ™

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C9000 Series Door Closer

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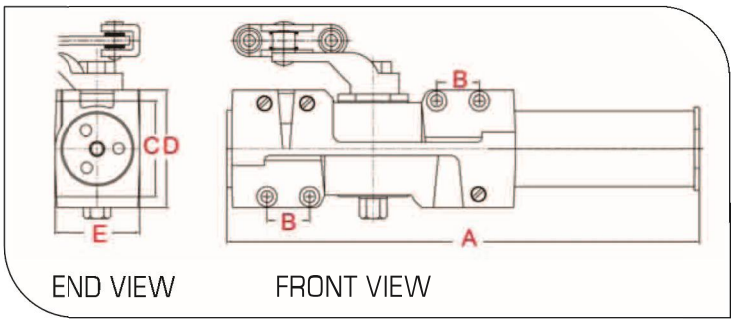
TECHNICAL DIMENSIONS:

Description	Dimensions
A. Length of Closer Body	11" (280 mm)
B. Horizontal Mounting Holes	1" (25.4 mm)
C. Vertical Mounting Holes	2/1/4" (57 mm)
D. Closer Body Height	2-3/4" (70 mm)
E. Projection from Door	2" (51 mm)



SELECTION CHART:

Maximum Size of Door							
Regular &Top Jamb				Parallel Arm			
Closer Size	Interior	Exterior Inswing	Exterior outswinging	Closer Size	Interior	Exterior Outswinging	Applicable Door Weight Lbs (Kg)
1	28" (0.71m)			1			33-66 (15-30)
2	36" (0.91 m)			2	30" (0.76m)		66-99 (30-45)
3	42" (1.07 m)	30" (0.76m)	36" (0.91m)	3	36" (0.91m)	30" (0.76m)	99-143 (45-65)
4	48" (1.22 m)	36" (0.91m)	42" (1.07m)	4	42" (1.07m)	36" (0.91m)	143-187 (65-85)
5	54" (1.37 m)	42" (1.07m)	48" (1.22m)	5	48" (1.22m)	42" (1.07m)	187-264 (85-120)
6	60" (1.52 m)	48" (1.22m)	54" (1.37m)	6	54" (1.37m)	48" (1.22m)	264-330 (120-150)

ARMS AND PLATES:

Drop plate for the 9000 Series closer
9016-DP

Parallel arm drop plate for 9000 series closer
9016-DP PA

Parallel Arm Bracket

Friction hold-open arm for the
9000 Series closer
9016-H

Mechanical hold - open arm with turn
and stop for the 9000 series closer
9016-MH

GENERAL LOCK
Quality & Value ™

NATIONAL GUARD PRODUCTS

Project:	
Submitted by:	
Date:	
Notes:	

Nylon Brush Perimeter Seal or Sweep

600

Material
Aluminum alloy 6063, T5 temper
Synthetic polymer: Polyamide
Nylon brush

- 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, cold, air infiltration and smoke infiltration 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

Finishes

600	Mill Aluminum	Gray Brush
600A	Anodized Aluminum	Gray Brush
600B	Gold	Black Brush
600DKB	Dark Bronze	Black Brush

Options
FATT - Fast Attach Tape

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NATIONAL GUARD PRODUCTS

Saddle Threshold

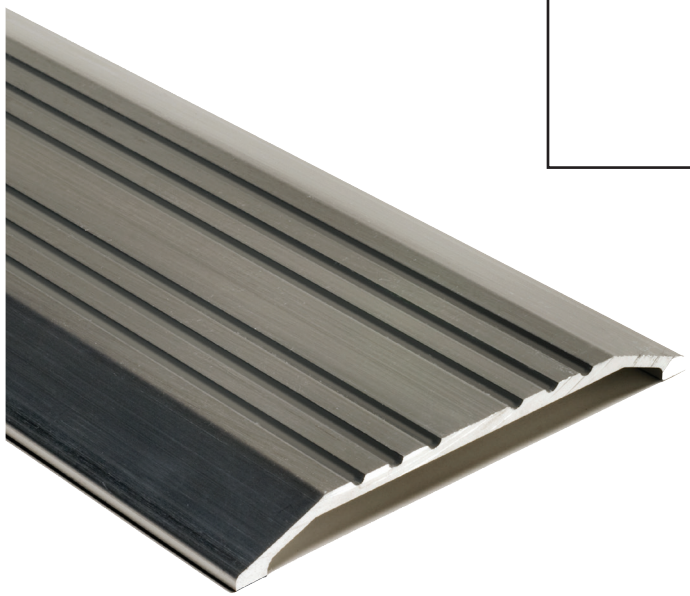
425

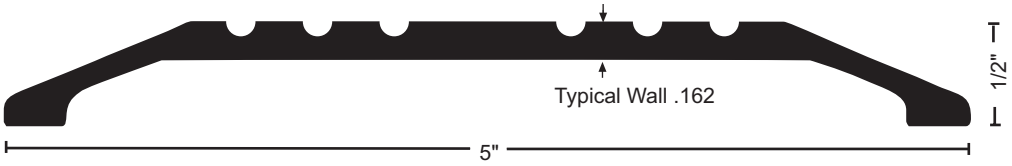
Materials & Finishes
Aluminum alloy 6063, T5 temper
Mill finish
DKB - dark bronze finish

- 5" wide x 1/2" tall
- Fluted top
- Typical wall thickness .162"
- Weight: .88 lbs./ft.
- #10 x 1-1/2" FH zinc plated wood screws included

Optional Slip Resistant SIA Finish

Project:
Submitted by:
Date:
Notes:





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