

Enterprise Rent A Car - Palladium

225 Huntmar, Ottawa

Job No. 19-992

Architect

Flynn Architec Inc.
162 Preston Street
Ottawa, Ontario
613-299-8505

Coordinator

Hal Howlett - Merlin Door Systems Ltd
29 Cleopatra Drive
Ottawa, ON
K2G 0B6
Tel: 613-723-7900
Fax: 613-723-7976
E-Mail: hal@merlindoor.com

Door between wash bays added
by CCN.

Reviewed	()
Reviewed as noted	() ←
Revise and resubmit	()
Not reviewed	()
Date:	2020 Feb. 18
Reviewed by:	MH

This review by J.C.F.A.Inc. is for the sole purpose of ascertaining conformance with the general design concept for architectural features only, and does not in any way constitute review of the design of engineering elements which form part of the contract documents prepared by others. This review shall not mean that J.C.F.A.Inc. approves the detailed design inherent in the shop drawings, responsibility for which shall remain with the Contractor submitting same, and such review shall not relieve the Contractor of the responsibility for errors or omissions in the shop drawings or of the responsibility for meeting all requirements of the contract documents. The Contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains solely to fabrication processes or to techniques of construction and installation, and for coordination of the work of all trades.

Jason C. Flynn Architect Inc. (J.C.F.A.Inc.)

Contractor

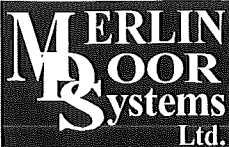
Tal-Co Limited
4728 Bank Street
Gloucester, ON
K1T 3W7
Tel: 613-821-2938

Estimator: Hal Howlett
Detailer: Annie Huang

Plan Revision: Oct 31, 2019
Submittal Date: Feb 13, 2020

REVIEWED

By Pat Newton at 4:08 pm, Feb 13, 2020



Enterprise Rent A Car - Palladium
225 Huntmar, Ottawa
Job No. 19-992

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Hardware Schedule

Heading #1

Item #1 1 Single door 105, Exterior From Truck Wash Bay Room RHR

965 x 2134 x 44 - HM DR x HM FR

3	Standard Hinge	BB1191 4 1/2" x 4" NRP	630
1	Surface Closer	4111 EDA AL LH	AL
1	Exit Device	22TP RHR 230TP-SP28 4' Bar 965 x 2134 Door	SP28/SP28
1	Weatherstripping	W-20S-CA x 17'-2'	CA
1	Door Sweep	W-24S-CA x 38"	CA
1	Threshold	CT-32 x 38"	

Weather resistant
required for wash bay

Heading #2

Item #2 1 Single door 107, Hallway Room-10 From Wc-01 Room-04 LHR

965 x 2134 x 44 - WD DR x HM FR

3	Standard Hinge	BB1279 4 1/2" x 4" 626	626
1	Lockset	AL80PD SAT 626	626
1	Auto Operator	7100 Series	
2	Push Buttons	CM-45/2	
1	Emergency Call Kit	CX-WEC10	
1	Electric Strike	CX-ED2079	
1	Floor Door Stop	S102L 626	626

Requires overhead stop
RE tripping in corridor

Heading #3

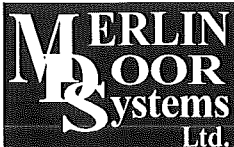
Item #3 1 Single door 108, Hallway Room-10 To Office 01- RM-08 RH

Item #4 1 Single door 109, Hallway Room-10 To Office 02-RM-07 LH

Item #5 1 Single door 111, Work Station RM-03 To Break Room Rm-06 LH

965 x 2134 x 44 - WD DR x HM FR

9	Standard Hinge	BB1279 4 1/2" x 4" 626	626
3	Latchset	AL10S SAT 626	626
3	Floor Door Stop	S102L 626	626



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Heading #4

Item #6 1 Single door 110, Car Wash Bay RM-11 To Work Station RM-03 RH

965 x 2134 x 44 - HM DR x HM FR - UL-C

3	Standard Hinge	BB1279 4 1/2" x 4" 626	626
1	Latchset	AL10S SAT 626	626
1	Dead Lock	B560P 626	626
1	Surface Closer	4011 REG AL RH	AL
1	Weatherstripping	W-20S-CA x 17'-2'	CA
1	Door Sweep	W-24S-CA x 38"	CA
1	Floor Door Stop	S102L 626	626

Heading #5

Item #7 1 Single door 112, Car Vestibule RM-01 From Service & Storage Room RM-05 RHR

965 x 2134 x 44 - WD DR x HM FR

3	Standard Hinge	BB1279 4 1/2" x 4" 626	626
1	Lockset	AL80PD SAT 626	626
1	Surface Closer	4040XP Rw/PA AL	AL
1	Floor Door Stop	S102L 626	626

Heading #6

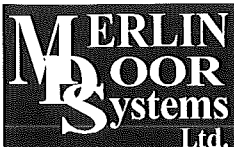
Item #8 1 Single door 102

965 x 2134 x __ - AL DR x AL FR

1	Auto Operator	7100 Series
2	Push Buttons	CM-45/2

Balance of Hardware Complete by AL Contractor

Floor stop may conflict with foot grille. Requires overhead stop. Wall stop may interfere with wall mounted heater.



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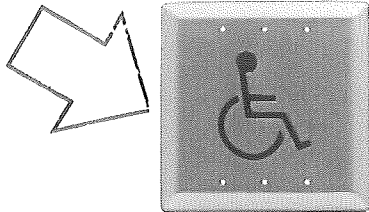
DOOR ACTIVATION DEVICES

PUSH/EXIT SWITCHES



CM-45/46

4 1/2" SQUARE ALL - ACTIVE SWITCHES



CM-45/2
(CONCEALED MOUNTING SCREWS)



CM-46/4
(EXPOSED MOUNTING SCREWS)



CM-46CB/4
(EXPOSED MOUNTING SCREWS)

FEATURES

- LARGE, EASY TO OPERATE SWITCHES
- ALL-ACTIVE DESIGN REQUIRES MINIMAL ACTUATION FORCE
- MEETS ADA REQUIREMENTS
- CM-45 AND CM-46 OFFER STAINLESS STEEL CONSTRUCTION. CM-46CB ALUMINUM FACEPLATE
- FLUSH MOUNT OR SURFACE MOUNT
- UL/CSA APPROVED SWITCH, RATED 15 AMPS @ 30V DC
- AVAILABLE WITH 'ACTIVE' WHEELCHAIR SYMBOL GRAPHICS
- OPTIONAL ARCHITECTURAL FINISHES

DESCRIPTION

Camden Door Controls CM-45/46 Series all-active switches are heavy-duty, ADA-compliant door controls. The 4 1/2" square faceplates are stainless steel or aluminum, and the assemblies are designed for easy installation.

Both series mount to standard single gang or double gang electrical boxes. CM-45 series is sold as a complete assembly, which is mounted to the in-wall box (or surface box) using stainless steel Allen screws and a hex key (included with the switch). Access to the mounting screws is through small holes in the front of the faceplate. This provides for tamper resistance, while maintaining an attractive overall appearance.

CM-46 series is sold as a two part assembly. The rear assembly is mounted to the in-wall box (or surface box). The front faceplate is then screwed to the rear assembly using either standard or security screws (included with kit).

The SPDT (and optional DPDT) switches are UL/CSA approved, and rated 15 amps @ 30 VDC. The push switches are offered with different graphics, and in various architectural finishes. Weather resistant, and water tight configurations are also available.

APPLICATION

Camden all-active switches are designed for areas where an easy-to-activate, high visibility switch is desired. Ideal for high-traffic areas, hospitals, wheelchair access, seniors' residences, etc. They can be surface or flush mounted.

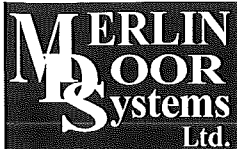
Camden all-active switches are designed to control electric strikes, electromagnetic locks and automatic doors. They may also be used for shunting, bypassing alarms, request to exit, timed functions, and many other applications.

The switches are made for high frequency usage, in both indoor and outdoor environments. Camden switches are versatile, and can be supplied in various configurations and finishes, to suit any commercial, industrial, or residential application.

KEY SWITCHES
PUSH BUTTONS
MOUNTING OPTIONS
RF CONTROLS
HANDS-FREE SWITCHES
SPECIAL PURPOSE SWITCHES
KEYPADS
ACCESSORIES



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4 1/2" SQUARE ALL - ACTIVE SWITCHES

ARCHITECTS/ENGINEERS SPECIFICATIONS

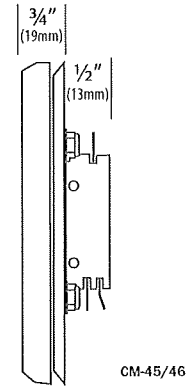
The switches to be used throughout the complex shall be Camden Door Controls CM-45, CM-46 or CM-46CB series all-active switches.

The switches shall be easy-to-activate, ADA compliant, 4 1/2" square. Switches shall be all-active, whereby pressing any part of the faceplate will activate the device. Faceplates shall be constructed of stainless steel or aluminum. Switches shall use plastic spacers and rubber dampers for noise reduction. Switches shall be rated at a minimum of 15 amps @ 30V DC.

ORDERING INFORMATION

All CM-45/46 series all-active switches are complete ready-to-install assemblies. CM-45 series are supplied with stainless steel Allen screws and an Allen wrench for mounting. CM-46 series are supplied with stainless steel tamperproof screws.
















MODEL	DESCRIPTION
CM-45	4 1/2" SQUARE PUSH PLATE SWITCH, CONCEALED SCREWS
CM-46	4 1/2" SQUARE PUSH PLATE SWITCH, EXPOSED SCREWS
CM-46CB	BLUE 4 1/2" SQUARE PUSH PLATE SWITCH, EXPOSED SCREWS. AVAILABLE WITH GRAPHIC OPTION '1' (BLANK), '2' (WHEELCHAIR), AND '4' (WHEELCHAIR + 'PUSH TO OPEN') ONLY.

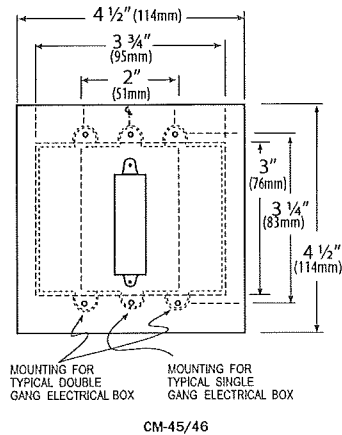


OPTIONS

(Add suffix to model above)

FACEPLATE GRAPHIC OPTIONS

 CM-XX/1	 CM-XX/2	 CM-XX/2AL	 CM-XX/2AR	 CM-XX/A2
 CM-XX/3	 CM-XX/3F	 CM-XX/4	 CM-XX/4F	 CM-XX/4AL
 CM-XX/4AR	 CM-XX/A4	 CM-XX/8	 CM-XX/8D	 CM-XX/8F



NOTE:
Blue: /2, /2AL, /2AR, /4, /4AL, /4AR, /4F
Black: /3, /3F, /8, /8D, /8F
/A2 and /A4 graphics for CM-45 Series only

ARCHITECTURAL FINISHES: (NOT APPLICABLE TO THE CM-46CB SWITCH)

CM-XXX-AB	ADD 'AB' TO PRODUCT # FOR ANTIQUE BRASS FINISH (BHMA 609, US5)
CM-XXX-SB	ADD 'SB' TO PRODUCT # FOR SATIN BRASS FINISH (BHMA 606, US4)
CM-XXX-OB	ADD 'OB' TO PRODUCT # FOR OIL RUB BRONZE FINISH (BHMA 640, US10B) (NOT COLOR MATCHED) (CANNOT BE CUSTOM LASER ETCHED)
CM-XXX-PB	ADD 'PB' TO PRODUCT # FOR POLISHED BRASS (BHMA 605, US3)

WEATHERPROOF OPTIONS:

CM-XXX-WT	ADD 'WT' TO PRODUCT # FOR BOOT AND WATER TIGHT COATING
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CONTACT OPTIONS:

DP	ADD DP TO PRODUCT # TO ORDER DPDT SWITCH INSTEAD OF SPST SWITCH (USE SPECIAL MOUNTING PLATE/TEMPLATE)
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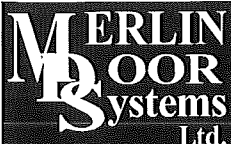


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MKTG-LIT-SP-45&46R5



Certified ISO 9001:2008

FS 541752



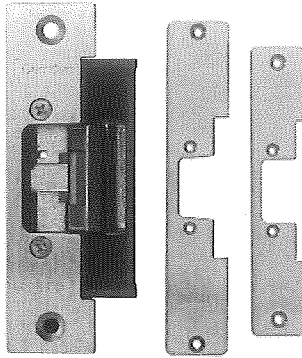
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225 Huntmar, Ottawa
Job No. 19-992

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CX-ED2071/ED2079

'UNIVERSAL' LOW PROFILE GRADE 2 ELECTRIC STRIKES



CX-ED2079 AND
STAINLESS STEEL
FACEPLATES

FEATURES

- CENTERLINE LATCH ENTRY, FOR CYLINDRICAL LOCKSETS
- 1/2" - 5/8" (13MM - 16MM) LATCH PROJECTION
- FIELD SELECTABLE FAIL SAFE/FAIL SECURE OPERATION
- HORIZONTAL ADJUSTABILITY OF STRIKE BODY
- LOW PROFILE STRIKE BODY
- CX-ED2079: 12/24V STRIKE C/W 3 STAINLESS STEEL FACEPLATES ANSI SQUARE, HOLLOW METAL DOOR AND WOOD DOOR
- CX-ED2079-1: 12/24V STRIKE C/W 1 STAINLESS STEEL FACEPLATE ANSI SQUARE
- CX-ED2079: 8V - 16V STRIKE C/W 3 STAINLESS STEEL FACEPLATES ANSI SQUARE, HOLLOW METAL DOOR AND WOOD DOOR
- 5 YEAR WARRANTY

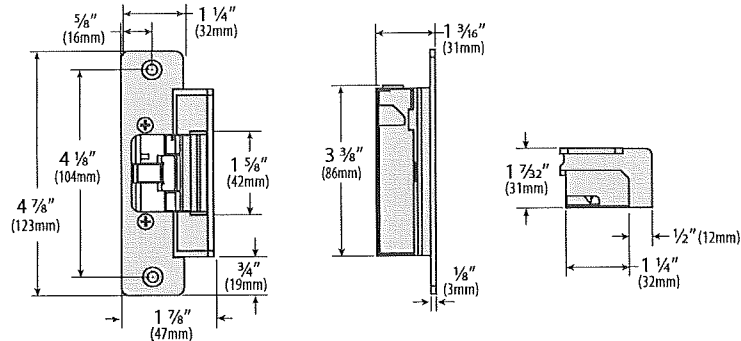
DESCRIPTION

Camden CX-ED2071 low profile grade 2 ANSI electric strike for cylindrical locksets provides exceptional value, for installations that require 8 - 16V AC/DC operation. CX-ED2071 includes 3 faceplates, selectable fail safe/fail secure operation and horizontal adjustment of the strike body.

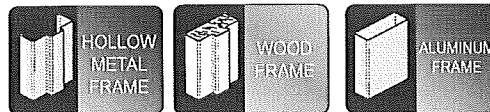
Camden CX-ED2079 low profile 'Universal' grade 2 ANSI electric strike for cylindrical locksets provides exceptional value with 3 faceplates, and selectable 12/24V AC/DC voltage, fail safe/fail secure operation and horizontal adjustment of the strike body. UL 1034 Burglary Listed.

Camden CX-ED2079-1 Low profile 'Universal' grade 2 ANSI strike for cylindrical locksets, with (1) ANSI square faceplate, provides the best strike value.

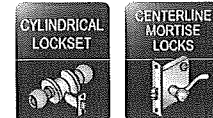
APPLICATION



DOOR FRAME TYPES



COMPATIBLE LOCKSETS



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ELECTRIC STRIKES

CABINET LOCKS

MAGNETIC LOCKS

DOOR ALARMS

RELAYS & TIMERS

POWER SUPPLIES

TRANSFORMERS

ANNUNCIATORS

PESTROOM CONTROL KITS

CX-ED2071 & CX-ED2079 'UNIVERSAL' LOW PROFILE GRADE 2 ELECTRIC STRIKES

SPECIFICATIONS

VOLTAGE:	CX-ED2071: 8 - 16V, AC/DC, CX-ED2079: 12/24V, AC/DC
CURRENT DRAW:	CX-ED2071: 305MA@8VDC, 625MA@16VDC, 190MA@8VAC, 460MA@16VAC CX-ED2079: 300MA @12VDC, 150MA@24VDC
STATIC STRENGTH:	1,000 LBS.
DYNAMIC STRENGTH:	50 FT. LBS.
ENDURANCE:	CX-ED2071 & CX-ED2079: 700,000 CYCLES CX-ED2079: 250,000 CYCLES (UL VERIFIED)
MODE:	SELECTABLE FAIL SAFE FAIL SECURE
OPERATION:	AC - BUZZ DC - SILENT
DUTY:	CX-ED2071: INTERMITTENT, CX-ED2079: CONTINUOUS
MOUNTING:	NON-HANDED
DIMENSIONS:	3 3/8" H x 1 7/8" W x 1 7/32" D (86mm x 47mm x 31mm)

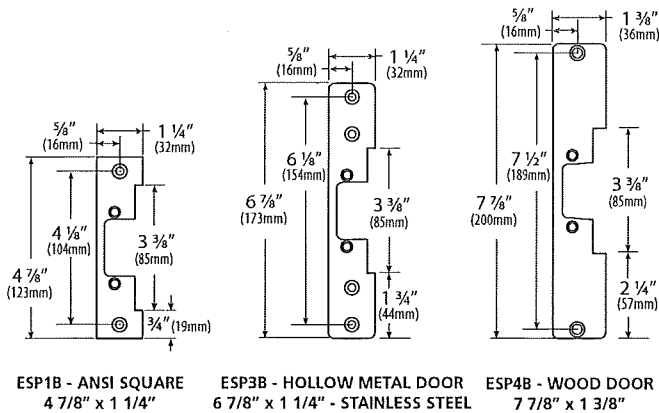


ORDERING INFORMATION

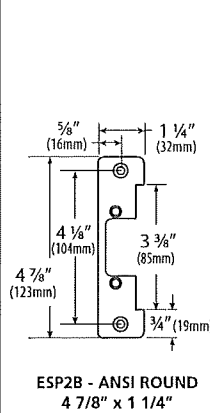
- CX-ED2071: 'UNIVERSAL' ELECTRIC STRIKE, 8 - 16V AC/DC, FAIL SAFE/FAIL SECURE OPERATION, HORIZONTAL ADJUSTMENT, C/W 3 STAINLESS STEEL FACEPLATES (CX-ESP1B, ESP3B & ESP4B)
- CX-ED2079*: 'UNIVERSAL' ELECTRIC STRIKE, 12/24V AC/DC, FAIL SAFE/FAIL SECURE OPERATION, HORIZONTAL ADJUSTMENT, C/W 3 STAINLESS STEEL FACEPLATES (CX-ESP1B, ESP3B & ESP4B)
- CX-ED2079-1*: 'UNIVERSAL' ELECTRIC STRIKE, 12/24V, AC/DC, FAIL SAFE/FAIL SECURE OPERATION, HORIZONTAL ADJUSTMENT, C/W 1 STAINLESS STEEL FACEPLATE (EX-ESP1B)

FACEPLATES

INCLUDED IN PACKAGE



ADDITIONAL FACEPLATE



CX-JIG1



CX-ED-LIP1

CUTTING JIGS

- CX-JIG1: JIG FOR INSTALLING ANSI ROUND FACEPLATES
- CX-JIG2: JIG FOR HOLLOW METAL DOOR FACEPLATES

LIP EXTENSION BRACKETS

- CX-ED-LIP1: 1" LIP EXTENSION FOR ANSI STRIKES (STACKABLE)
- CX-ED-LIP2: 2" LIP EXTENSION FOR ANSI STRIKES



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MKTG-LIT-SP-ED2071/9-R7



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CX-WEC SERIES

EMERGENCY CALL SYSTEMS FOR UNIVERSAL AND BARRIER FREE RESTROOMS

IN THE EVENT OF AN EMERGENCY
PUSH EMERGENCY BUTTON
AND AUDIBLE AND VISUAL SIGNAL
WILL ACTIVATE



CX-WEC10 KIT

FEATURES

- COMPLETE EQUIPMENT PACKAGES SPECIFICALLY DESIGNED TO MEET THE REQUIREMENTS OF ONTARIO REG. 368/13 AMENDMENT TO 2012 OBC FOR BARRIER FREE & UNIVERSAL RESTROOMS.
- DESIGNED FOR UNIVERSAL RESTROOMS WITH OR WITHOUT LOW ENERGY DOOR OPERATORS.
- FOR USE WITH CAMDEN CX-WC SERIES BARRIER FREE RESTROOM CONTROL KITS.
- AUDIBLE AND VISUAL ANNUNCIATION OUTSIDE RESTROOM OF AN EMERGENCY CONDITION
- WITH 'PUSH/PULL' 'PRESS FOR EMERGENCY ASSISTANCE' MAINTAINED MUSHROOM PUSH BUTTON OR WITH LATCHING RELAY FOR USE WITH MOMENTARY SWITCHES, INCLUDING TAPE (RIBBON) SWITCHES
- 3 YEAR WARRANTY

DESCRIPTION

Camden Door Control CX-WEC Series offer a range of components and complete equipment packages designed to meet building code requirements for universal restrooms. Emergency call system kits include a push/pull mushroom 'PRESS FOR ASSISTANCE' push button, or the option to use a momentary switch. Audible and visual annunciation of the request for assistance is provided inside the restroom by a flush mount single gang LED annunciator with adjustable sounder, and outside the restroom by a single gang dome light with adjustable sounder. If activation and annunciation in one product is desired, a double gang mushroom button and LED annunciator combo unit is offered. All equipment packages include an 'IN THE EVENT OF AN EMERGENCY' instructional sign, with 1" (25mm) lettering, as required by code. CX-WEC Series emergency call systems are available in English, French and Bilingual.

APPLICATION

Camden Door Controls CX-WEC Series emergency call systems and components are specifically designed to meet the latest requirements of Ontario regulation 368/13 amendment to the 2012 Ontario Building Code, for barrier free and universal restrooms. They are designed for universal restrooms with or without low energy door operators. System kits include a wide selection activation switches, audible and visual annunciation and signage.

ELECTRIC STRIKES

CABINET LOCKS

MAGNETIC LOCKS

DOOR ALARMS

RELAYS & TIMERS

POWER SUPPLIES

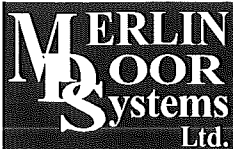
TRANSFORMERS

ANNUNCIATORS

RESTROOM CONTROL KITS

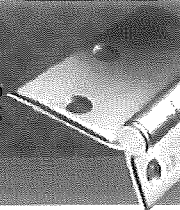


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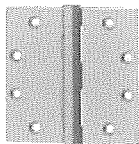
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FULL MORTISE

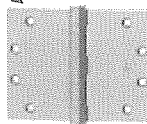
FIVE KNUCKLE HINGES



BB1191
Ball Bearing - Standard Weight
 Brass with stainless steel pin (ANSI A2112) or stainless steel with stainless steel pin (ANSI A5112)

BB1279
Ball Bearing - Standard Weight

- Steel with steel pin (ANSI A8112)
- Two ball bearings
- Non-rising removable pin with button tip and plug
- 3-1/2" x 3-1/2" (89 x 89 mm) BB1279 available with reversible hole pattern
- For use on medium weight doors or doors requiring medium frequency service



WTBB1191
Ball Bearing - Standard Weight - Wide Throw
 Brass with stainless steel pin (ANSI A2112) or stainless steel with stainless steel pin (ANSI A5112)

WTBB1279
Ball Bearing - Standard Weight - Wide Throw

- Steel with steel pin (ANSI A8112)
- Wide throw
- Two ball bearings
- Non-rising removable pin with button tip and plug
- For use on medium weight doors or doors requiring medium frequency service

Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
3-1/2 x 3-1/2	89 x 89	0.119	6	1/2 x 10-24	1 x 9
4 x 3-1/2	102 x 89	0.129	8	1/2 x 10-24	1-1/4 x 12
4 x 4	102 x 102	0.129	8	1/2 x 12-24	1-1/4 x 12
4-1/2 x 4	114 x 102	0.134	8	1/2 x 12-24	1-1/4 x 12
4-1/2 x 4-1/2	114 x 114	0.134	8	1/2 x 12-24	1-1/4 x 12
5 x 4	127 x 102	0.145	8	1/2 x 12-24	1-1/4 x 12
5 x 4-1/2	127 x 114	0.145	8	1/2 x 12-24	1-1/4 x 12
5 x 5	127 x 127	0.145	8	1/2 x 12-24	1-1/4 x 12
6 x 4-1/2	152 x 114	0.160	10	1/2 x 1/4-20	1-1/2 x 14
6 x 5	152 x 127	0.160	10	1/2 x 1/4-20	1-1/2 x 14
6 x 6	152 x 152	0.160	10	1/2 x 1/4-20	1-1/2 x 14

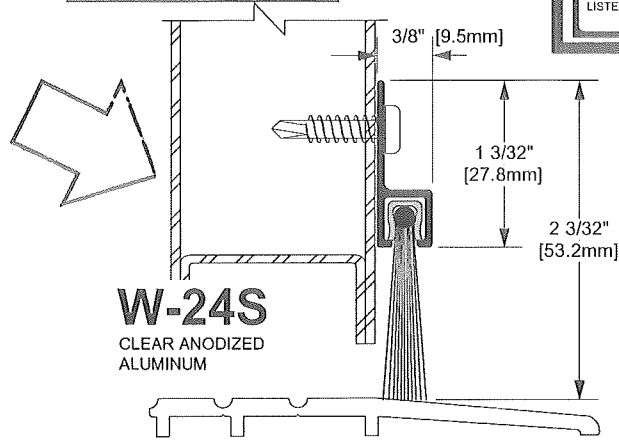
Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
3-1/2 x 5	89 x 127	0.119	6	1/2 x 10-24	1 x 9
3-1/2 x 6	89 x 152	0.119	6	1/2 x 10-24	1 x 9
4 x 5	102 x 127	0.129	8	1/2 x 12-24	1-1/4 x 12
4 x 6	102 x 152	0.129	8	1/2 x 12-24	1-1/4 x 12
4 x 7	102 x 178	0.129	8	1/2 x 12-24	1-1/4 x 12
4-1/2 x 5	114 x 127	0.134	8	1/2 x 12-24	1-1/4 x 12
4-1/2 x 6	114 x 152	0.134	8	1/2 x 12-24	1-1/4 x 12
4-1/2 x 7	114 x 178	0.134	8	1/2 x 12-24	1-1/4 x 12
4-1/2 x 8	114 x 203	0.134	8	1/2 x 12-24	1-1/4 x 12
5 x 6	127 x 152	0.145	8	1/2 x 12-24	1-1/4 x 12
5 x 7	127 x 178	0.145	8	1/2 x 12-24	1-1/4 x 12
5 x 8	127 x 203	0.145	8	1/2 x 12-24	1-1/4 x 12

Note: Optional concealed bearings available, see page 5 for options.

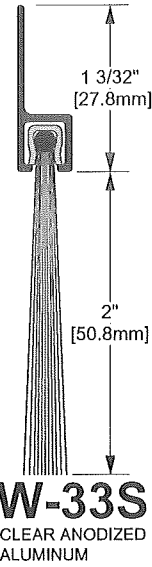
SWEEPS



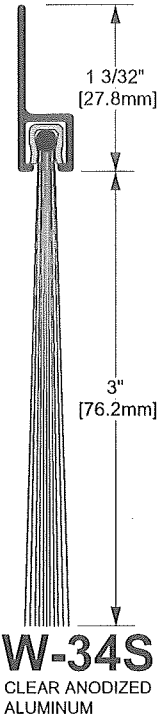
ALL PRODUCTS
ON THIS PAGE



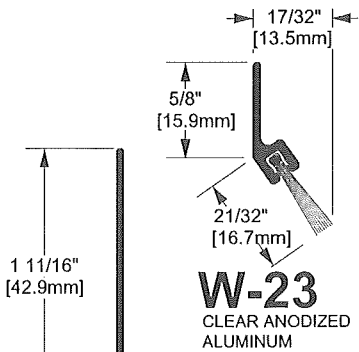
W-24S
CLEAR ANODIZED
ALUMINUM



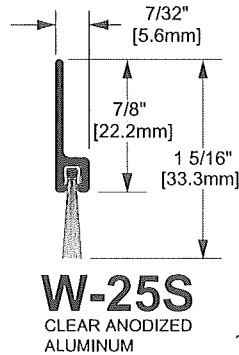
W-33S
CLEAR ANODIZED
ALUMINUM



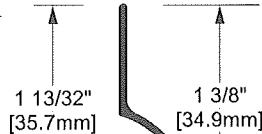
W-34S
CLEAR ANODIZED
ALUMINUM



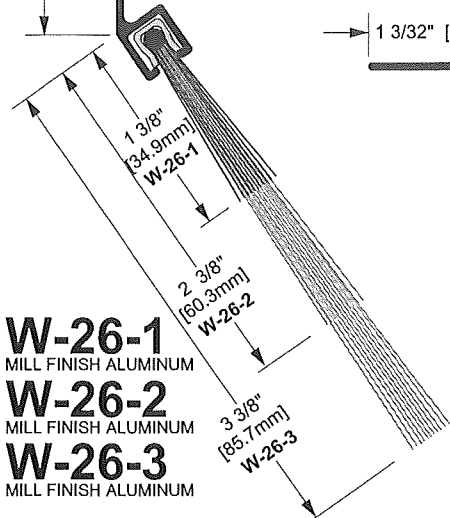
W-23
CLEAR ANODIZED
ALUMINUM



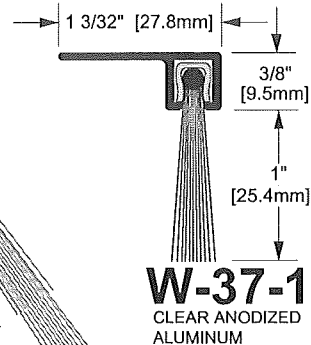
W-25S
CLEAR ANODIZED
ALUMINUM



W-35-1
CLEAR ANODIZED
ALUMINUM
W-35-2
CLEAR ANODIZED
ALUMINUM
W-35-3
CLEAR ANODIZED
ALUMINUM



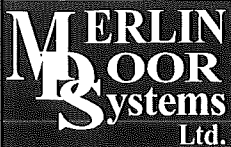
W-26-1
MILL FINISH ALUMINUM
W-26-2
MILL FINISH ALUMINUM
W-26-3
MILL FINISH ALUMINUM



W-37-1
CLEAR ANODIZED
ALUMINUM

100% CANADIAN OWNED AND OPERATED

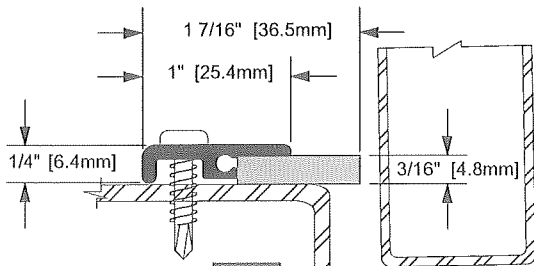
www.kncrowder.com



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Job No. 19-992

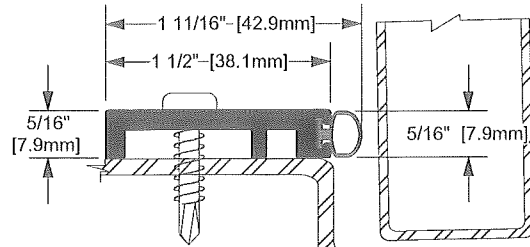
Submission Date: Feb 13, 2020

WEATHERSTRIP



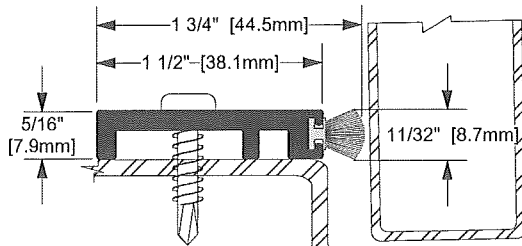
W-18

CLEAR ANODIZED ALUMINUM
AND CLOSED CELL NEOPRENE



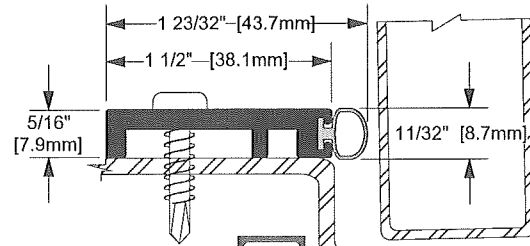
W-20N

CLEAR ANODIZED ALUMINUM
AND NEOPRENE



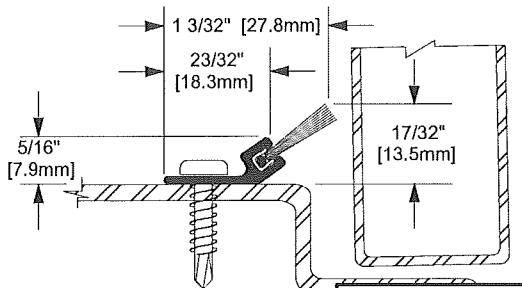
W-20P

CLEAR ANODIZED ALUMINUM
AND PILE WITH FIN SEAL



W-20S

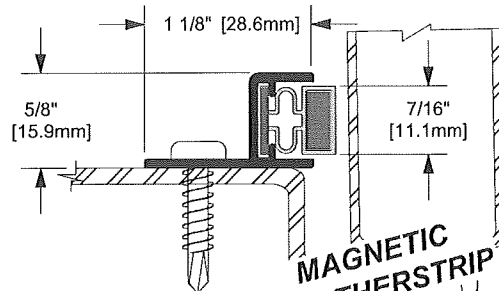
CLEAR ANODIZED ALUMINUM
AND SILICONE RUBBER



W-23

CLEAR ANODIZED ALUMINUM
AND NYLON BRUSH

FULL
BRUSH SEAL
LISTINGS ON
PAGE 27



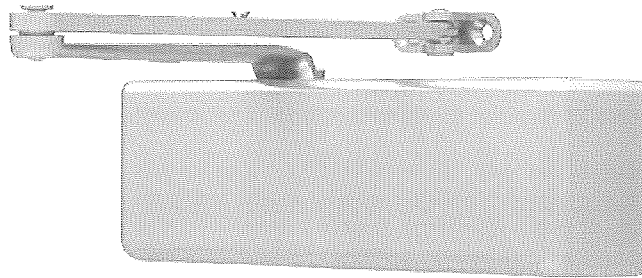
W-27

CLEAR ANODIZED ALUMINUM
AND VINYL WITH MAGNET

MAGNETIC
WEATHERSTRIP

4010 Series

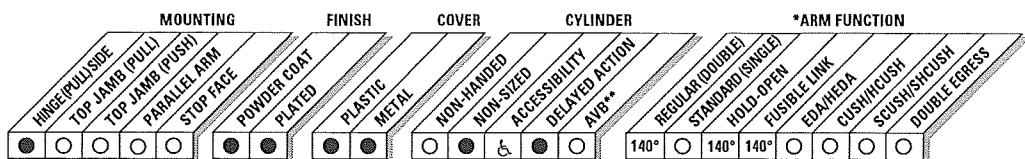
Features



The 4010 is LCN's best performing heavy duty closer designed specifically for institutional and other rugged high traffic applications.

Certifications	Grade 1 - ANSI A156.4, UL 10C, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act	Cover	<ul style="list-style-type: none"> ■ Plastic, Standard ■ Metal, Optional
Body Construction	<ul style="list-style-type: none"> ■ Cast Iron Body ■ Full Complement Bearing ■ 1-1/2" Diameter Piston ■ 11/16" Diameter Double Heat Treated Pinion Journal 	Fasteners	Self Reaming and Tapping Screws (SRT)
Fluid	All Weather Fluid	Mounting	Hinge (Pull Side)
Handing	Handed	Arms	Regular Arm
Templating	Peel-n-Stick templates - 2-1/2" x 6" Mounting Hole Pattern	Finishes/Colors/ Powder Coat	<ul style="list-style-type: none"> ■ Aluminum (689) ■ Statuary Bronze (690) ■ Light Bronze (691) ■ Black (693) ■ Dark Bronze (695) ■ Brass (696) ■ Custom colors optional
Size	Adjustable 1-5 or Sized 6		<ul style="list-style-type: none"> ■ Optional SRI primer - powder coat only ■ Optional plated finishes
Warranty	30 years		

Special Templates | Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.



● AVAILABLE
 ○ NOT AVAILABLE

♿ Closer available with less than 5.0 lbs. opening force on 36" door.
 * Maximum opening/hold-open point with standard template.
 ** Advanced Variable Backcheck.

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LCN 3



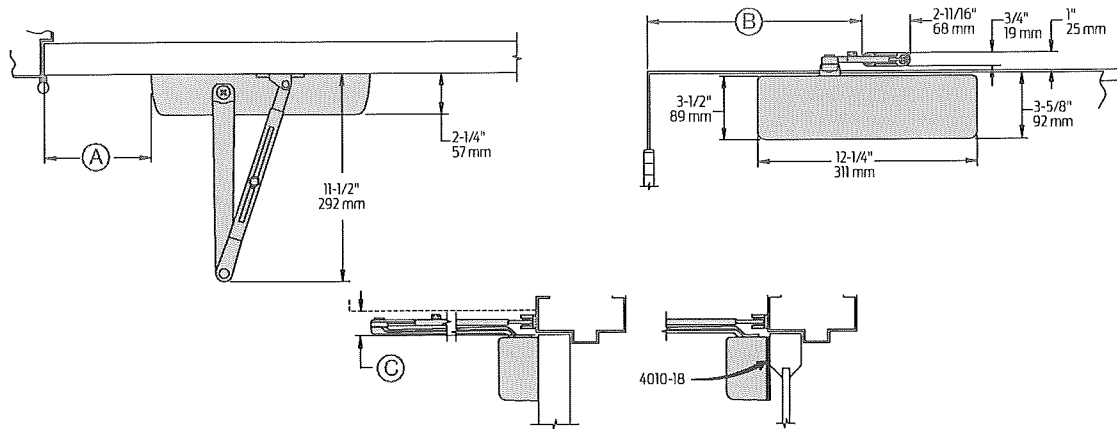
Enterprise Rent A Car - Palladium
 225 Huntmar, Ottawa
 Job No. 19-992

Submission Date: Feb 13, 2020

4010 Series

Mounting details

Hinge (Pull) Side Mounting

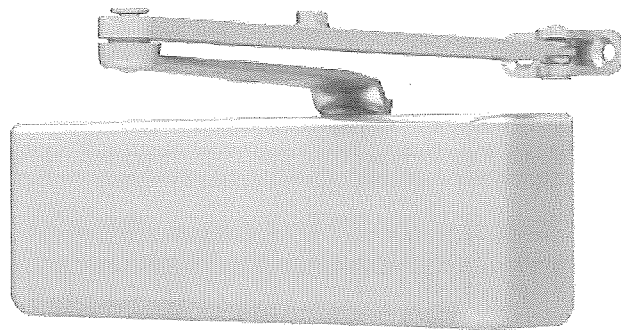


Butt Hinges	Should not exceed 5" (127 mm) in width
Auxiliary Stop	Recommended at hold-open point or where a door cannot swing 140°
Reveal	Should not exceed 3/4" (19 mm). Should not exceed 1/8" (3 mm) for Fusible link arm
Top Rail	<ul style="list-style-type: none"> ■ Less than 3-3/4" (95 mm) requires PLATE, 4010-18 ■ Plate requires 2" (51 mm) minimum ■ Clearance of 2-1/4" (57 mm) behind door required for 90° installation
Delayed Action	<ul style="list-style-type: none"> ■ Add suffix "DEL" to selected cylinder ■ Not available with 4016 cylinder ■ Delays closing from maximum opening to approximately 70°. ■ Delay time adjustable up to approximately 1 minute
Maximum Opening	Can be templated for: 100°: A = 5-15/16" (151 mm) 140°: A = 4-3/16" (106 mm) B = 11-15/16" (303 mm) B = 10-3/16" (259 mm)
Arm Clearance	Hold-open points up to maximum opening with hold-open arm Regular arm: C = 1-1/16" (27 mm) Hold-open arm: C = 1-3/8" (35 mm) Fusible link arm requires: C = 1-5/8" (41 mm)

Note:
 • Hold-open points up to maximum opening with hold-open arm

4040XP Series

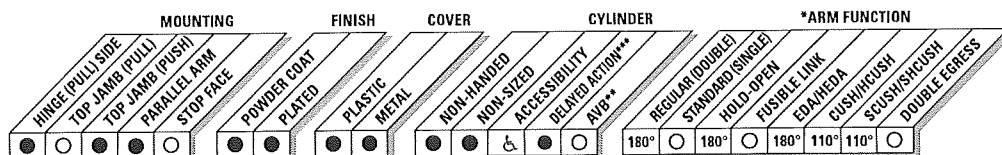
Features



The 4040XP is LCN's most durable and flexible heavy duty closer designed for institutional and other demanding high traffic applications.

Certifications	Grade 1 - ANSI A156.4, UL 10C, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act	Cover	<ul style="list-style-type: none"> Plastic, Standard Metal, Optional
Body Construction	<ul style="list-style-type: none"> Cast Iron Body Full Complement Bearings 1-1/2" Diameter Piston 3/4" Diameter Double Heat Treated Pinion Journal 	Fasteners	Self Reaming and Tapping Screws (SRT)
Fluid	All Weather Liquid X Fluid	Mounting	Hinge (Pull Side), Top Jamb (Push Side), Parallel Arm (Push Side)
Handing	Non-Handed	Arms	Regular Arm
Templating	Peel-n-Stick templates - 2-1/4" x 5" Mounting Hole Pattern	Finishes/Colors/ Powder Coat	<ul style="list-style-type: none"> Aluminum (689) Statuary Bronze (690) Light Bronze (691) Black (693) Dark Bronze (695) Brass (696) Custom colors optional Optional SRI primer - powder coat only Optional plated finishes
Size	Adjustable Spring Size 1-6, includes Patented Green Dial		
Warranty	30 years		

Special Templates | Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.



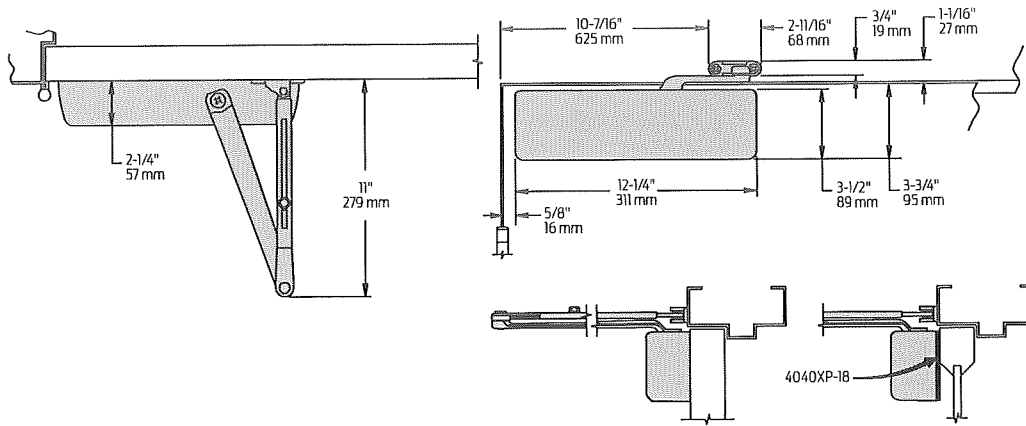
● AVAILABLE
○ NOT AVAILABLE

♿ Closer available with less than 5.0 lbs. opening force on 36" door.
* Maximum opening/hold-open point with standard template.
** Advanced Variable Backcheck.
*** Delay feature incorporates standard 4040 cylinder (not XP).

4040XP Series

Mounting details

Hinge (Pull Side) Mounting

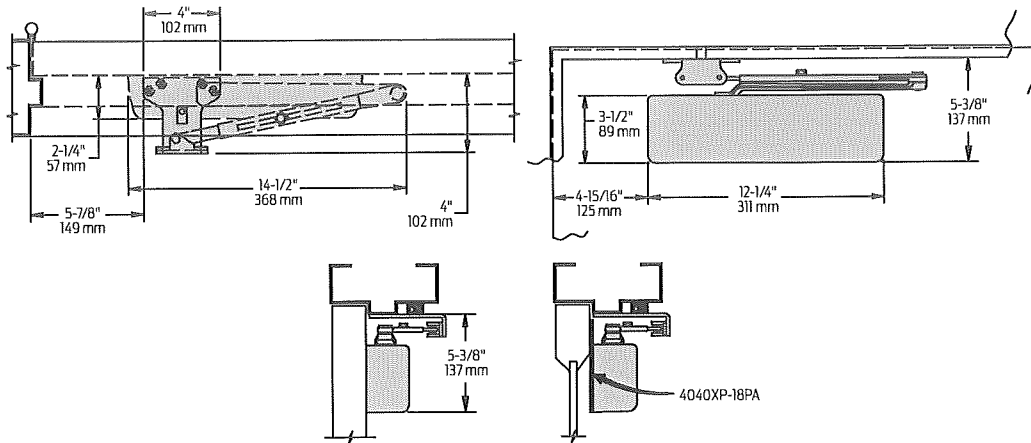


Butt Hinges	<ul style="list-style-type: none"> Should not exceed 5" (127 mm) in width
Auxiliary Stop	<ul style="list-style-type: none"> Recommended at hold-open point or where a door cannot swing beyond 120°
Reveal	<ul style="list-style-type: none"> Should not exceed 3/4" (19 mm) for regular arm or hold-open arm
Top Rail	<ul style="list-style-type: none"> Less than 3-3/4" (95 mm) requires PLATE, 4040XP-18. Plate requires 2" (51 mm) minimum
Clearance	<ul style="list-style-type: none"> 2-3/8" (60 mm) behind door required for 90° installation
Delayed Action	<ul style="list-style-type: none"> Incorporates standard 4041 cylinder, without XP cylinder Delays closing from 120° to 70° Delay time adjustable up to approximately 1 minute
Maximum Opening	<ul style="list-style-type: none"> Templating allows up to 120°. Hold-open points 90° up to 120° with hold-open arm.

4040XP Series

Mounting details

Parallel Arm (Push Side) Mounting



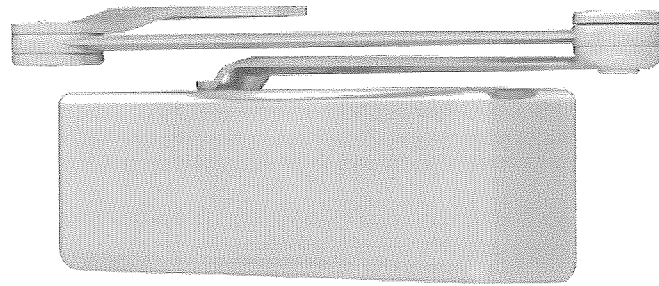
Butt Hinges	Should not exceed 5" (127 mm) in width
Auxiliary Stop	Recommended at hold-open point, where the door cannot swing 180°, or where CUSH-N-STOP arm is not used
Reveal	Should not exceed 7/32" (6 mm)
Top Rail	Less than 5-3/8" (137 mm) measured from the stop requires PLATE, 4040XP-18PA. Plate requires 2" (51 mm) minimum from the stop
Head Frame	Flush or rabbeted requires PA SHOE ADAPTER, 4040XP-419
Stop Width	Minimum 1" (25 mm). CUSH arm requires minimum 1-1/2" (38 mm)
Blade Stop	Clearance requires 1/2" (13mm) BLADE STOP SPACER, 4040XP-61.
Clearance	<ul style="list-style-type: none"> ■ 4040XP-62PA shoe is 4" (102 mm) from door face. ■ EDA shoe projects 5-1/2" (140 mm) from door face. ■ CUSH shoe projects 6" (152 mm) from door face
Delayed Action	<ul style="list-style-type: none"> ■ Incorporates standard 4041 cylinder, without XP cylinder ■ Delays closing from 120° to 70°. ■ Delay time adjustable up to approximately 1 minute.
Maximum Opening	<ul style="list-style-type: none"> ■ 180° opening/hold-open points with all except CUSH arms ■ 110° opening/hold-open with CUSH arms

Notes:

- Optional mounting requires PA SHOE, 4040XP-62PA for regular or HOLD-OPEN arms
- Add prefix "P" to closer description (eg. P4040XP)
- P4040XP closer includes 4040XP-201 FIFTH HOLE SPACER to support PA SHOE

4110 Series

Features

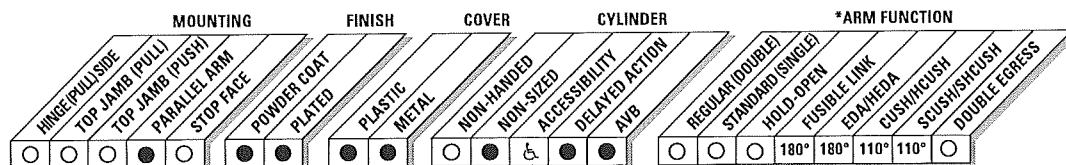


The 4110 is LCN's best performing heavy duty closer designed specifically for institutional and other rugged high traffic applications.

Certifications	Grade 1 - ANSI A156.4, UL 10C, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act	Cover	<ul style="list-style-type: none"> ■ Plastic, Standard ■ Metal, Optional
Body Construction	<ul style="list-style-type: none"> ■ Cast Iron Body ■ Full Complement Bearing ■ 1-1/2" Diameter Piston ■ 11/16" Diameter Double Heat Treated Pinion Journal 	Fasteners	Self Reaming and Tapping Screws (SRT)
Fluid	All Weather Fluid	Mounting	Parallel Arm (Push Side)
Handing	Handed	Arms	Extra-Duty arm
Templating	Peel-n-Stick templates - 2-1/2" x 6" Mounting Hole Pattern	Finishes/Colors/ Powder Coat	<ul style="list-style-type: none"> ■ Aluminum (689) ■ Statuary Bronze (690) ■ Light Bronze (691) ■ Black (693) ■ Dark Bronze (695) ■ Brass (696) ■ Custom colors optional
Size	Adjustable Spring Size 1-5, or Sized 6, Includes Patented Green Dial		<ul style="list-style-type: none"> ■ Optional SRI primer - powder coat only ■ Optional plated finishes
Warranty	30 years		

Special Templates

Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.



● AVAILABLE
○ NOT AVAILABLE

♿ Closer available with less than 5.0 lbs. opening force on 36" door.
* Maximum opening/hold-open point with standard template.

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LCN

65

MERLIN
DOOR
Systems
Ltd.

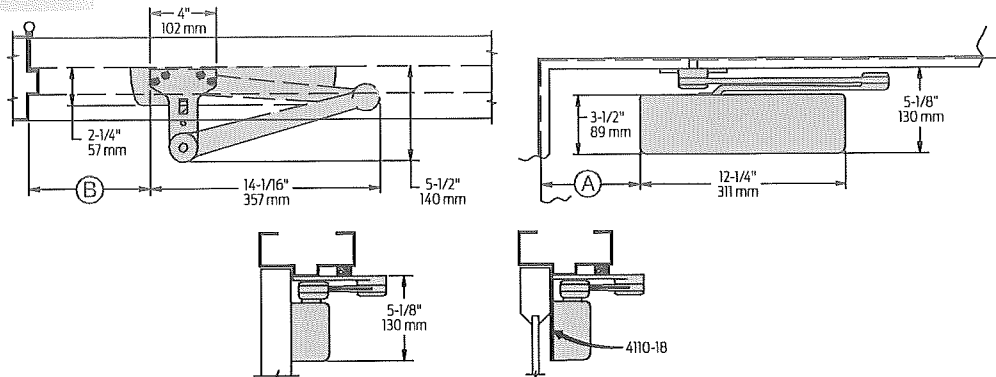
Enterprise Rent A Car - Palladium
225 Huntmar, Ottawa
Job No. 19-992

Submission Date: Feb 13, 2020

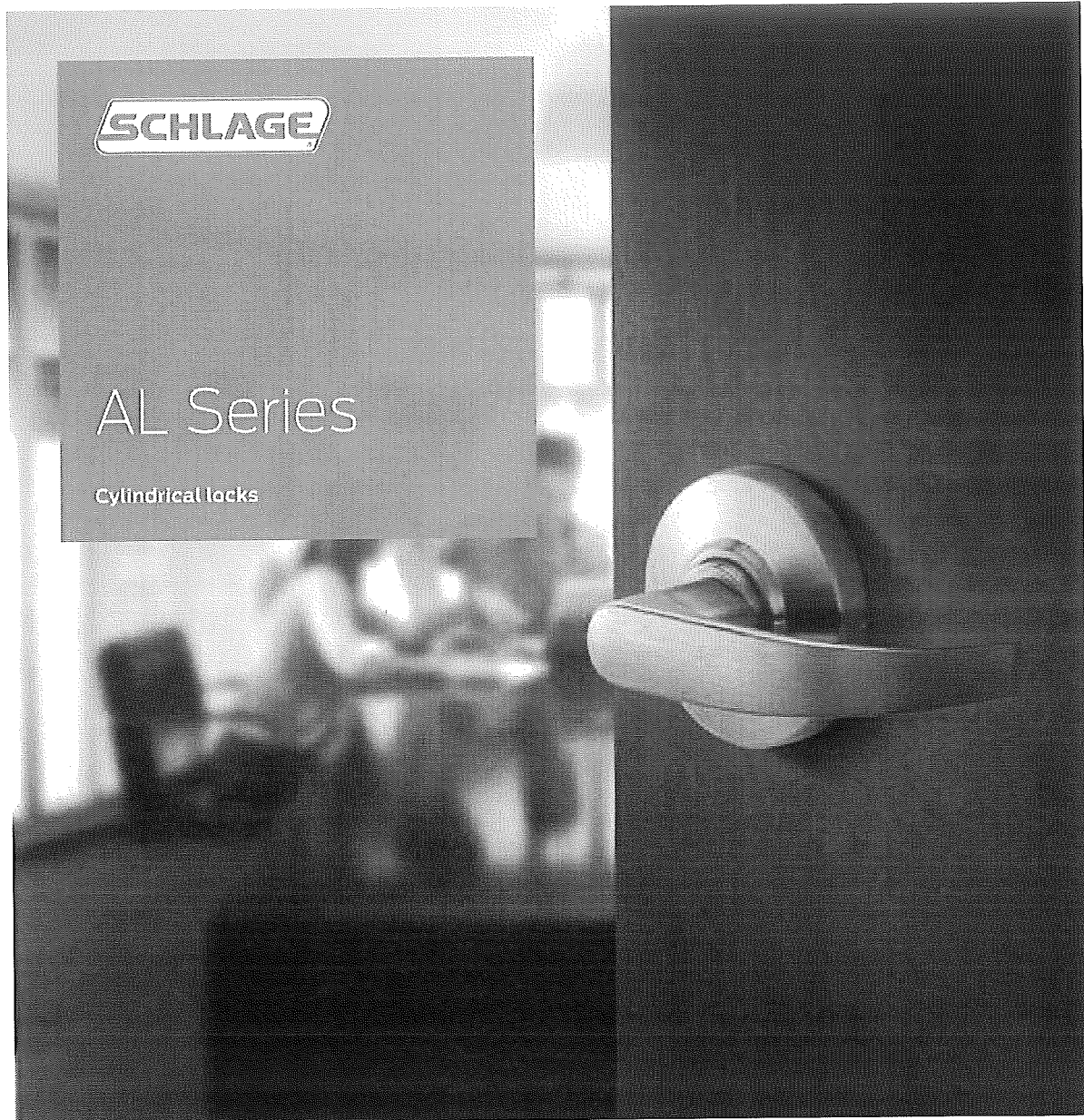
4110 Series

Mounting details

Parallel Arm (Push Side) Mounting

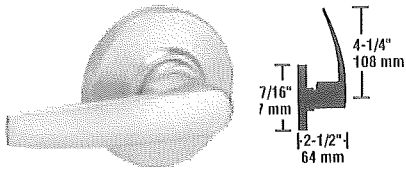


Butt Hinges	Should not exceed 5" (127 mm) in width	
Auxiliary Stop	Recommended at hold-open point, where a door cannot swing 180°, or where CUSH-N-STOP arm is not used	
Clearance	EDA, or CUSH shoe is 5-1/2" (140 mm) from door face	
Top Rail	<ul style="list-style-type: none"> Less than 5-1/8" (130 mm) measured from stop requires PLATE, 4110-18 Plate requires 2" (51 mm) minimum measured from the stop 	
Stop Width	Minimum 1" (25 mm)	
Head Frame	Flush or rabbeted requires CUSH FLUSH PANEL ADAPTER, 4110-419	
Reveal	Less than 2-3/4" (70 mm), use CUSH SHOE SUPPORT, 4110-30 with CUSH arms	
Blade Stop Spacer	4110-61 required to clear 1/2" (13 mm) blade stop	
Crush Arm	Requires CUSH SHOE SUPPORT, 4110-30 for fifth screw anchorage with CUSH arms	
Delayed Action	<ul style="list-style-type: none"> Add suffix "DEL" to selected cylinder (eg. 4111 DEL) Not available with 4116 cylinder. Delays closing from maximum opening to approximately 70° Delay time adjustable up to approximately 1 minute 	
Advanced Variable Backcheck	<ul style="list-style-type: none"> Cylinder starts backcheck at approximately 45° instead of the normal 75° Add suffix "AVB" to selected cylinder 	
Maximum opening	EDA or Fusible Link arm can be templated for	CUSH arm can be templated for maximum opening at
	100° A = 5-15/16" (151 mm) B = 7-1/4" (184 mm)	85° A = 8-5/16" (211 mm) B = 9-5/8" (244 mm)
	140° A = 4-7/16" (113 mm) B = 5-3/4" (146 mm)	90° A = 7-11/16" (195 mm) B = 9" (229 mm)
	or 180° A = 2-15/16" (75 mm) B = 2-15/16" (75 mm)	or 110° A = 5-9/16" (141 mm) B = 6-7/8" (175 mm)
	<ul style="list-style-type: none"> Hold-open points up to maximum opening with HEDA or Fusible Link arm 	<ul style="list-style-type: none"> Hold-open point at maximum opening with HCUSH arm Spring Cush hold-open points are approximately 5° less than templated stop point



AL Series lever designs

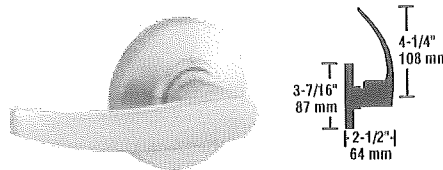
Jupiter (JUP)



Symbol: JUP
Material: Pressure cast zinc lever; wrought brass or bronze rose
Suites: S Series JUPITER, ND Series ATHENS and L Series 07 designs



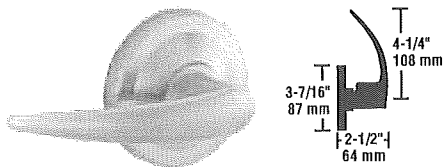
Neptune (NEP)



Symbol: NEP
Material: Pressure cast zinc lever; wrought brass or bronze rose
Suites: S Series NEPTUNE, ND Series SPARTA and L Series 17 designs



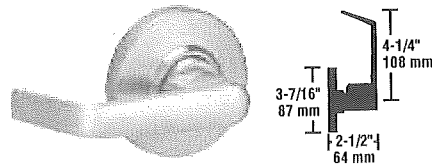
Omega (OME)



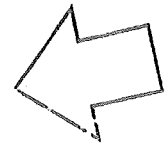
Symbol: OME
Material: Pressure cast zinc lever; wrought brass or bronze rose
Suites: ND Series OMEGA and L Series OMEGA designs



Saturn (SAT)

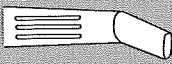


Symbol: SAT
Material: Pressure cast zinc lever; wrought brass or bronze rose
Suites: S Series SATURN, H Series LEVON, ND Series RHODES and L Series 06 designs
Options: Tactile warning



Tactile warning








Milled



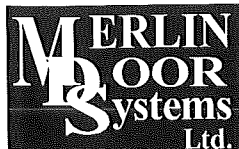
Order as follows:
BSA for Saturn

Only available on outside lever, unless otherwise specified

All designs shown in 626 satin chrome

 = Standard cylinder.	 = Antimicrobial coating available on 626 finish only.
 = FSIC - Full size interchangeable core option.	 = Meets California code for 1/2" or less return to the door.
 = SFIC - Small format interchangeable core option.	 = Extended factory lead time.
 = Complies with ADA accessibility guidelines.	

8 • Schlage • AL Series

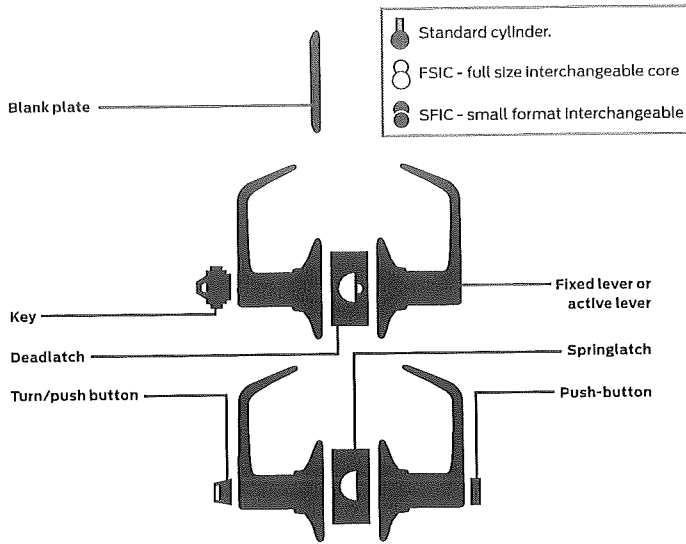


Enterprise Rent A Car - Palladium
 225 Huntmar, Ottawa
 Job No. 19-992

Submission Date: Feb 13, 2020

Lock functions

ANSI A156.2 Series 4000 Grade 2

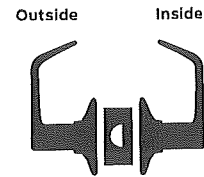


Non-keyed functions

Schlage ANSI
AL10S **F75**

Passage latch

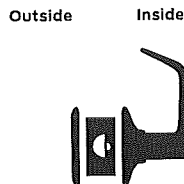
- Both levers always unlocked.
- Inside lever always free for immediate egress.



Schlage ANSI
AL25D —

Exit lock

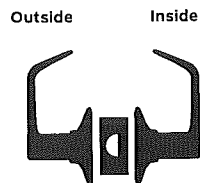
- Blank plate outside.
- Inside lever always unlocked.
- Inside lever always free for immediate egress.
- Specify door thickness.



Schlage ANSI
AL40S **F76**

Bath/bedroom privacy lock

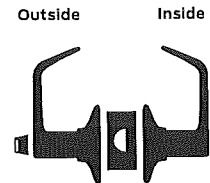
- Push-button locking.
- Can be unlocked from outside with small screwdriver.
- Turn inside lever or close door to release button.
- Inside lever always free for immediate egress.



Schlage ANSI
AL44S —

Hospital privacy lock

- Push-button locking.
- Unlock from outside by turning emergency turn-button.
- Turn inside lever or close door to release button.
- Inside lever always free for immediate egress.



Lock functions

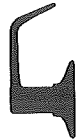
ANSI A156.2 Series 4000 Grade 2

Keyed functions

Schlage ANSI
AL170 —
 Single dummy trim

- Single dummy trim for one side of door.
- Used for door pull or as matching inactive trim.

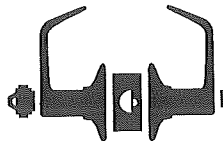
Outside or Inside



Schlage ANSI
AL50PD F82
 Entrance/office lock

- Push-button locking.
- Push-button locks outside lever until it is unlocked with a key or by rotating the inside lever.
- Inside lever always free for immediate egress.

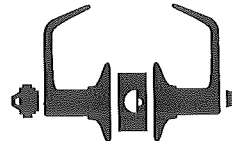
Outside Inside



Schlage ANSI
AL53PD F109
 Entrance lock

- Turn/push-button locking: pushing and turning button locks outside lever, requiring use of a key until the button is manually unlocked.
- Push-button locking: push-button locks the outside lever until it is unlocked by key or by turning the inside lever.
- Inside lever always free for immediate egress.

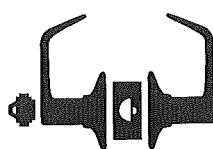
Outside Inside



Schlage ANSI
AL70PD F84
 Classroom lock

- Outside lever is locked and unlocked by key.
- Inside lever is always unlocked.
- Inside lever always free for immediate egress.

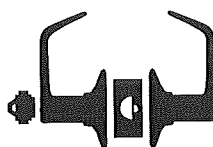
Outside Inside



Schlage ANSI
AL80PD F86
 Storeroom lock

- Outside lever is fixed.
- Entrance by key only.
- Inside lever is always unlocked.
- Inside lever always free for immediate egress.

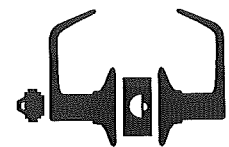
Outside Inside



Schlage ANSI
AL85PD F93
 Faculty restroom lock (with indicator cylinder)

- Outside lever is fixed.
- Entrance by key only.
- Push button on inside lever activates visual occupancy indicator, allowing only the emergency masterkey to operate.
- Rotate inside lever or close door to release visual occupancy indicator.
- Rotation of inside spanner button provides lockout feature by keeping indicator thrown.
- Inside lever always free for immediate egress.

Outside Inside



Schlage • AL Series • 11

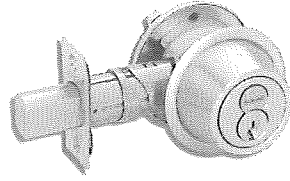
Deadbolt designs

B500 Series

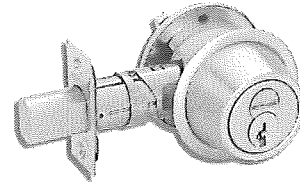
A versatile and economical Grade 2 deadbolt for medium duty commercial and heavy duty residential applications. Furnished with conventional cylinder standard.

Available with Primus XP high security cylinder, Primus XP UL437 Listed high security cylinder, full size interchangeable core cylinder, Primus XP interchangeable core cylinder, or small format interchangeable core (SFIC) cylinder.

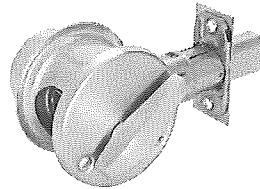
Fits 2 1/8" (54 mm) prep standard and anti-pry shield can be removed to fit 1 1/2" (38 mm) prep.



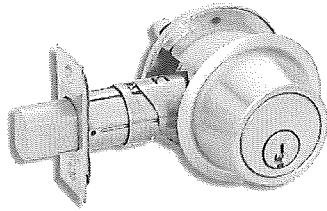
Full size Interchangeable core



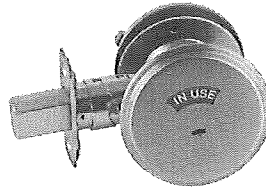
Small format Interchangeable core



Thumbturn for B500













Design shown in 626 satin chrome plated

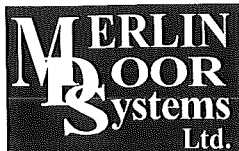


B500 Series with occupied Indicator (B571)

Deadbolt finishes

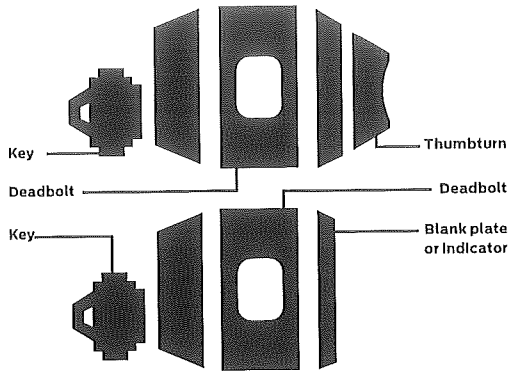
										
	605 Bright brass	606 Satin brass	609 Antique brass	612 Satin bronze	613 Oil rubbed bronze	619 Satin nickel	625 Bright chromium plated	626 Satin chromium plated	626AM Antimicrobial coating	643e Aged bronze
Product										
B500	•	•	•	•	•	•	•	•	•	•

e = an equivalent finish to the BHMA standard.



Deadbolt functions

ANSI A156.5 bored deadbolt locks



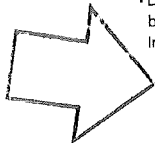
- Standard cylinder.
- FSIC - full size Interchangeable core option.
- SFIC - small format Interchangeable core option.
- Complies with ADA Accessibility Guidelines.

***Caution:**

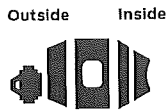
Double cylinder locks on any door are a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

ADA compliant:

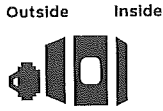
Schlage Lock Company offers a wide selection of locks designed to meet the Americans with Disabilities Act.



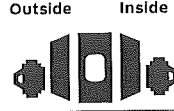
Schlage ANSI
B560P E0152
Single cylinder deadbolt
• Deadbolt thrown or retracted by key outside or thumbturn inside.



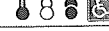
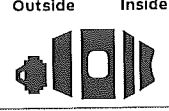
Schlage ANSI
B561 E0162
Cylinder only x blank plate deadbolt
• Deadbolt thrown or retracted by key outside.
• Blank plate with exposed screws inside.



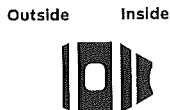
Schlage ANSI
B562P* E0142
Double cylinder deadbolt
• Deadbolt thrown or retracted by key either side.



Schlage ANSI
B563 E0172
Classroom deadbolt
• Deadbolt thrown or retracted by key outside.
• Inside units retracts bolt only.

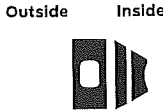


Schlage ANSI
B571 -
Door bolt occupancy indicator
• Deadbolt thrown or retracted by thumbturn inside
• Outside Indicator displays "In use" or "Vacant"
• Requires 1 1/2" cross bore prep
• Not UL rated

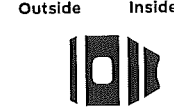


B500

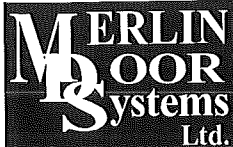
Schlage ANSI
B580 E0192
Door bolt
• Deadbolt thrown or retracted by trim unit only.
• Requires 1 1/2" cross bore prep



Schlage ANSI
B581 E01112
Door bolt with trim
• Deadbolt thrown or retracted by trim unit only.
• Blank plate outside.
• Requires 1 1/2" cross bore prep



Schlage • B Series • 17



Enterprise Rent A Car - Palladium
225 Huntmar, Ottawa
Job No. 19-992

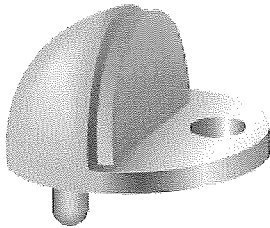
Submission Date: Feb 13, 2020



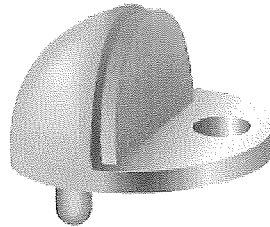
FLOOR STOPS S SERIES

49

S100 DOME DOOR STOP



S101 HEAVY DUTY DOME DOOR STOP



DOME DOOR STOP

S100

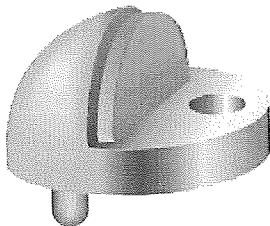
- 1.875" (47.625) DIAM. x 1" (25.4) HIGH x 0.25" (6.35) RISE
- 1 PIECE ZINC DIE CAST CONSTRUCTION
- 0.125 LBS. EACH (0.056KG.)
- SUPPLIED WITH SCREWS & SHIELDS
- STANDARD FINISHES

HEAVY DUTY DOME DOOR STOP

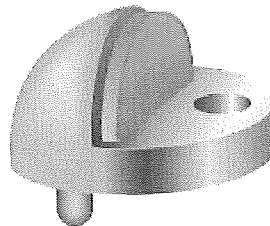
S101

- 1.875" (47.625) DIAM. x 1" (25.4) HIGH x 0.25" (6.35) RISE
- SOLID 1 PIECE BRASS OR BRONZE CASTING
- 0.25 LBS. EACH (0.126KG.)
- SUPPLIED WITH SCREWS & SHIELDS
- STANDARD FINISHES

S102 DOME DOOR STOP



S103 HEAVY DUTY DOME DOOR STOP



DOME DOOR STOP

S102

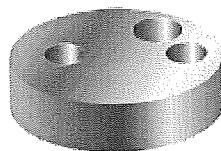
- 1.875" (47.625) DIAM. x 1.312" (33.34) HIGH x 0.5" (12.7) RISE
- 1 PIECE ZINC DIE CAST CONSTRUCTION
- 0.187 LBS. EACH (0.085KG.)
- SUPPLIED WITH SCREWS & SHIELDS
- STANDARD FINISHES

HEAVY DUTY DOME DOOR STOP

S103

- 1.875" (47.625) DIAM. x 1.312" (33.34) HIGH x 0.5" (12.7) RISE
- SOLID 1 PIECE BRASS OR BRONZE CASTING
- 0.375 LBS. EACH (0.178KG.)
- SUPPLIED WITH SCREWS & SHIELDS
- STANDARD FINISHES

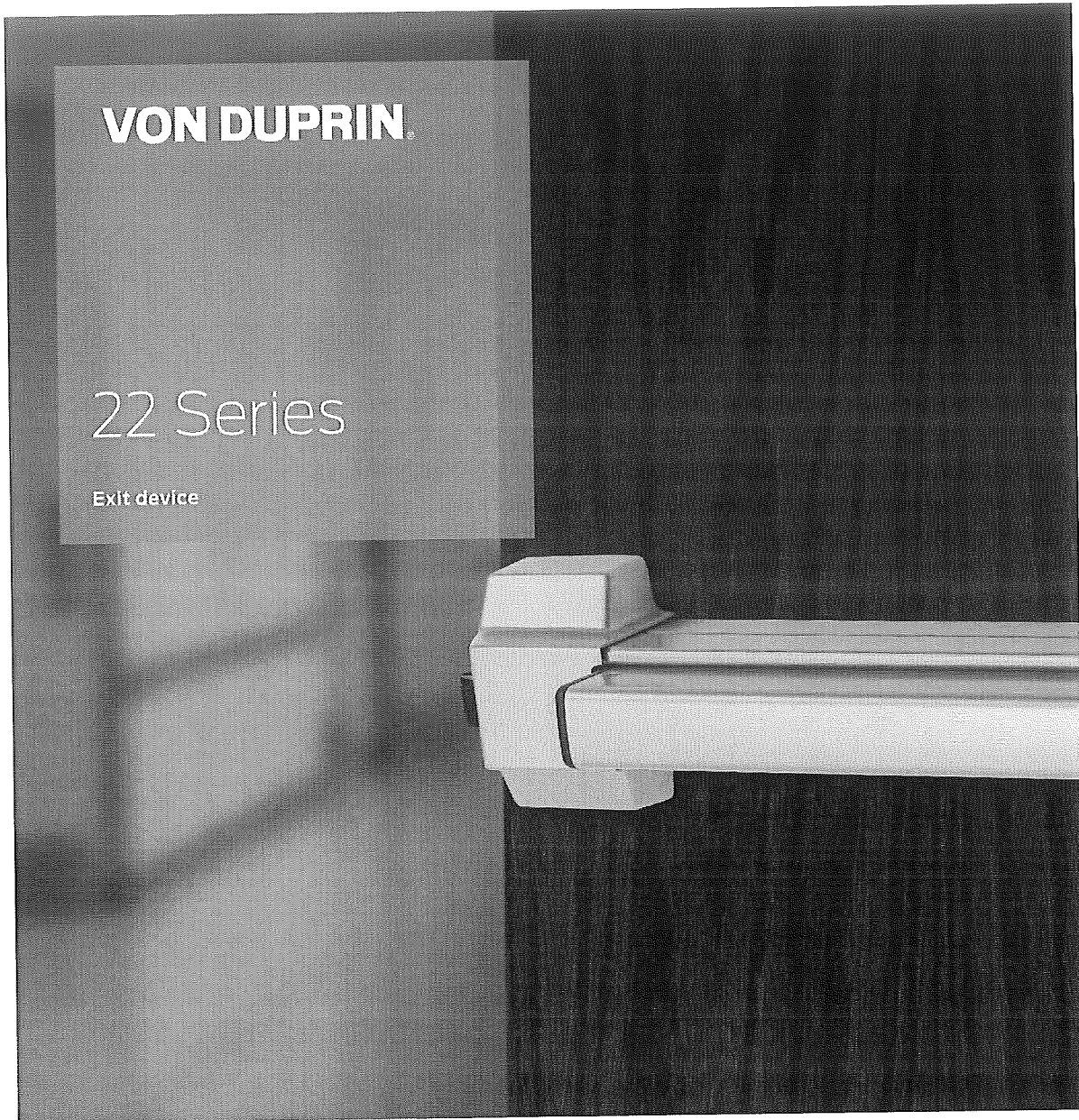
- S104** 0.25" (6.35) DOME DOOR STOP RISERS
- S105** 0.5" (12.7) DOME DOOR STOP RISERS
- S106** 0.75" (19.05) DOME DOOR STOP RISERS



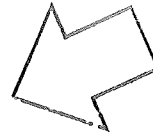
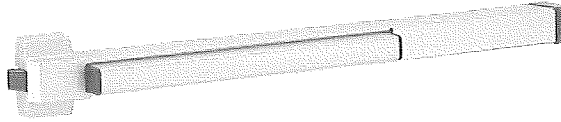
DOOR STOP RISER

S104 - 106

- ZINC DIE CAST CONSTRUCTION
- SUPPLIED WITH SCREWS & SHIELDS
- STANDARD FINISHES



22 Rim exit device



The 299 Strike ships standard, optional strikes available

Hex key dogging comes standard on 22 Rim exit device



22 Rim exit device for all types of single and double doors with mullion, UL listed for Panic Exit Hardware. Devices are ANSI A156.3, 2008 Grade 1. Covers stock hollow metal doors with 161* cutouts. Fits door stiles as narrow as 3 3/8" (97 mm). The device is non-handed.

Finishes – SP28 & SP313.

*Not applicable with all strike and mullion combinations, consult factory.

Specifications

Device functions	Ships ready for all functions, EO, DT, NL, TP, K, L
Device lengths	3' (914 mm) see minimum door opening chart at bottom of page 4' (1219 mm) see minimum door opening chart at bottom of page
Device centerline from finished floor	39 3/8" (1011 mm) 39 3/8" (1008 mm) with mullion
Center case dimensions	4 1/2" (108 mm) x 1 3/8" (41 mm) x 2 1/8" (60 mm)
Mechanism case dimensions	2" (51 mm) x 3 1/2" (95 mm)
Projection push bar	Push bar neutral - 3 1/4" (95 mm) push bar depressed - 3" (76 mm)
Latch bolt	Deadlocking, 1/2" (19 mm) throw
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44 mm) and 2 1/4" (57 mm) wood & metal doors optional SNB available for device
Electric options	LX latchbolt monitor switch RX pushpad monitor switch RX2 double pushpad monitor switch ALK alarm exit kit CON Allegion Connect
Mechanical options	GBK glass bead kit AX accessible device
Dogging feature	Hex key dogging standard
Dogging options	LD less dogging
Strikes	299 – Dull black

Minimum door opening chart

Stop height	Strike	Single door	Double door w/mullion	Minimum door opening for 3' device*	Minimum door opening w/ALK*
1/2"	299	Yes	—	26.500" (673mm)	33.250" (845mm)
1/2"	1439	Yes	—	25.687" (652mm)	32.437" (824mm)
1/2"	299	—	4754/4854/4954	27.000" (686mm)	33.750" (857mm)
1/2"	299	—	5654	25.812" (656mm)	32.562" (827mm)
1/2"	1408	—	5754	25.750" (679mm)	32.500" (826mm)
1/2"	1606	—	1654	26.562" (675mm)	33.312" (846mm)
3/8"	299	Yes	—	26.750" (679mm)	33.500" (851mm)
3/8"	1439	Yes	—	25.937" (659mm)	32.687" (830mm)
3/8"	299	—	4754/4854/4954	27.125" (689mm)	33.875" (860mm)
3/8"	299	—	5654	26.687" (678mm)	33.437" (849mm)
3/8"	1408	—	5754	25.875" (657mm)	32.625" (829mm)
3/8"	1606	—	1654	26.687" (678mm)	33.437" (849mm)

*For 4' device, add 6" (152mm)

AX Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

RX Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

RX2 Double pushpad monitor switch

- Uses two RX switches

ALK Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

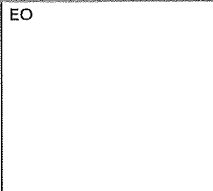
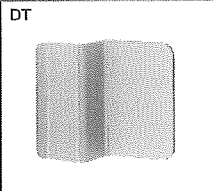
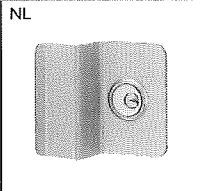
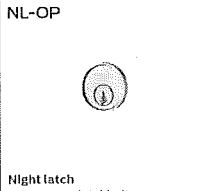
LX Latchbolt monitor switch

- Signals use of opening
- SPDT Switch to monitor latchbolt

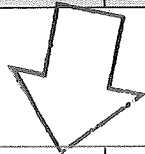
CON Allegion Connectors

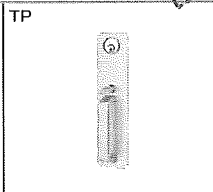
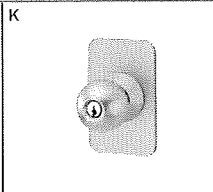
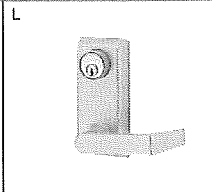
- Common connectors to connect various door hardware all the way to the power supply

Standard trim

	EO	DT	NL	NL-OP
				
Product description	22EO	22DT	22NL	22NL-OP
Trim description	—	210DT*	210NL*	110NL-MD* 110NL-WD*
Escutcheon plate size	—	5 1/8" x 4 25/32" x 1/32" (137 x 121 x 2 mm)	5 7/8" x 4 25/32" x 1/32" (137 x 121 x 2 mm)	—
Pull center to center	—	—	—	—
Projection	—	1 3/32" (42 mm)	1 3/32" (42 mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	230EO	230DT	230NL	—
Optional #425 sex bolt quantity for device	6 (with no trim) 2 (with EO trim)	2	2	6

*ANSI/BHMA A156.3 (2001) Grade 1 trim



	TP	K	L
			
Product description	22TP	22K	22L
Trim description	230TP*	210K	230L*
Escutcheon plate size	3" x 12 1/4" x 1/32" (76 x 306 x 2 mm)	3" x 4 25/32" x 1/32" (76 x 121 x 2 mm)	3" x 6 5/8" x 15/16" (76 x 162 x 24 mm)
Pull center to center	5 1/2" (140 mm)	—	—
Projection	2" (51 mm)	2 5/8" (75 mm)	2 5/8" (67 mm)
ANSI function	05	08	08
Cylinder type	1 1/4" Mortise	Furnished	1 1/4" Mortise
Handing	—	—	—
Optional trim	230TP-BE	210K-BE	230L-BE
Optional #425 sex bolt quantity for device	2	2	2

*ANSI/BHMA A156.3 (2008) Grade 1 trim

Von Duprin 22 Series • 9