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## Schedule of Finish Hardware

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PROJECT: MILL-COURTLAND COMMUNITY CENTRE  
216 MILL ST.  
KITCHENER ON  
7013

PROJECT CONSULTANT: MIKE WICKENS

PREPARED: March 25, 2025

REVISED:	March 25, 2025	REV#03
	February 24, 2025	REV#02
	January 22, 2025	REV# 01
	December 20, 2024	ORIGINAL



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KNELLS DOOR & HARDWARE

2090 SHIRLEY DRIVE

KITCHENER

Tel: 519-578-1000

ON

N2B 0A3

Fax: 519-578-3262

MILL-COURTLAND COMMUNITY CENTRE

Control No.7013

7013

Submitted By: MIKE WICKENS

## Hardware Finishes

Finish	Description
26D	SATIN CHROMIUM
315	FLAT BLACK
622	MATTE BLACK
626	SATIN CHROMIUM PLATED
630	SATIN STAINLESS STEEL
652	CHROME-LIKE COATING ON STEEL
689	POWDER COAT, ALUMINUM
A92	ALUMINUM CLEAR COAT
BK	BLACK
BL.A.	BLACK ANODIZED FINISH
BLACK	BLACK
BLK	FLAT BLACK
BSP	BLACK SUEDE POWDER
C.A.	CLEAR ANODIZED
C26D	SATIN CHROMIUM
C32D	STAINLESS STEEL, SATIN
CL	CLEAR
M.A.	MILL FINISH
PC	PRIME COAT
SP28	LACQUER SPRAYED ALUMINUM
US19/315	FLAT BLACK
US19/US28	ANODIZED ALUMINUM
US26D	SATIN CHROME
US26D/US28	ANODIZED ALUMINUM

	KNELLS DOOR & HARDWARE	MILL-COURTLAND COMMUNITY CENTRE
	2090 SHIRLEY DRIVE	Control No.7013
	KITCHENER                      ON            N2B 0A3	7013
	Tel: 519-578-1000                      Fax: 519-578-3262	Submitted By: MIKE WICKENS

## Hardware Finishes

Finish	Description
US26D/US32D	STAINLESS STEEL - SATIN
US32D	SATIN STAINLESS STEEL



KNELLS DOOR & HARDWARE

MILL-COURTLAND COMMUNITY CENTRE

2090 SHIRLEY DRIVE

KITCHENER

Tel: 519-578-1000

ON

N2B 0A3

Fax: 519-578-3262

Control No.7013

7013

Submitted By: MIKE WICKENS

March 25, 2025

MILL-COURTLAND COMMUNITY CENTRE  
216 MILL ST.

Heading # 01

1 PR DOORS 101 EXTERIOR FROM ENTRY VESTIBULE 101

90° RHRA

965/965 x 2130 x 45 ALD Door/ ALF Frame

NON-RTD Door/NON-RTD Frame

2	CONTINUOUS HINGE	SL11 BK HD300 X 2108MM X SDTF	BK	SEL
1	MULLION	L980S X 86MM	PC	SAR
1	RIM EXIT DEVICE NIGHT LATCH CYLINDER ASSEMBLY	CD-35A-NL-OP X 388NL X 1439(US19) X 4-0 X SNB	US19/315	VON
1	RIM EXIT DEVICE EXIT ONLY	CD-35A-EO X 1439(US19) X 4-0 X SNB	315	VON
3	MORTISE CYLINDER	20-061 X 112 X KA	622	SCH
1	RIM CYLINDER	20-057 X KA	622	SCH
1	ELECTRIC STRIKE	9500-12/24D-BSP	BSP	IES-CDI
2	PULL	GSH 1180-2 X #2	BLACK	GAL
2	OVERHEAD STOP/HOLDER, CONCEALED	104S	BLK	GLY
1	CLOSER, TOP JAMB	4040XP.RWPA.622.SRT INSTALL CLOSER INSIDE OPERATOR CASE	622	LCN
1	AUTO OPERATOR	8100 DOUBLE CASE AUTOMATIC OPERATOR	BLACK	REC
1	DOOR POSITION SWITCH	CM-190/31		CAM
2	DOOR SWEEP	W-13S X 38	BLACK	KNC
1	THRESHOLD	CT-10 X 1930MM	BL.A.	KNC
2	ACTUATOR	CM-7536/4-BLK; CM-75SB		CAM
1	RELAY	CX-12PLUS		CAM
1	MISCELLANEOUS	MISC - WIRE & SUPPLIES	NA	G&A
1	MISCELLANEOUS	INSTALLATION		DLR
1	CLOSER, ACCESSORY	4640 CLOSER SHAFT EXTENSION	AL	LCN

INTEGRAL WEATHER STRIPPING BY ALUMINUM DOOR SUPPLIER.  
CONFIRM DOOR THICKNESS WITH AL DOOR SUPPLIER PRIOR TO ORDERING HARDWARE.  
120V AC TO HEAD, CONDUIT, WIRING AND BACK BOXES BY OTHERS.  
CARD READER BY OTHERS.

HARDWARE SCHEDULE - CODE # 7013

MILL-COURTLAND COMMUNITY CENTRE  
216 MILL ST.

Heading # 02

1 PR DOORS 101A ENTRY VESTIBULE 101 FROM CORRIDOR 102

90° RHRA

965/965 x 2130 x 45 ALD Door/ ALF Frame

NON-RTD Door/NON-RTD Frame

2	CONTINUOUS HINGE	SL11 BK HD300 X 2108MM X SDTF	BK	SEL
2	EXIT DEVICE TRIM ONLY	350 X 36MM X SNB	315	VON
2	PULL	GSH 1180-2 X #2	BLACK	GAL
2	OVERHEAD STOP/HOLDER, CONCEALED	104S	BLK	GLY
1	CLOSER, TOP JAMB	4040XP.RWPA.622.SRT INSTALL CLOSER INSIDE OPERATOR CASE	622	LCN
1	AUTO OPERATOR	8100 DOUBLE CASE AUTOMATIC OPERATOR	BLACK	REC
1	THRESHOLD	CT-10 X 1930MM	BL.A.	KNC
2	ACTUATOR	CM-7536/4-BLK; CM-75SB		CAM
1	MISCELLANEOUS	INSTALLATION		DLR
1	MISCELLANEOUS	MISC - WIRE & SUPPLIES	NA	G&A
1	CLOSER, ACCESSORY	4640 CLOSER SHAFT EXTENSION	AL	LCN

CONFIRM DOOR THICKNESS WITH AL DOOR SUPPLIER PRIOR TO ORDERING HARDWARE.  
120V AC TO HEAD, CONDUIT, WIRING AND BACK BOXES BY OTHERS.

Heading # 03

1 SGL DOOR 103B CORRIDOR 102 FROM MULTI-PURPOSE ROOM 103

90° LHR

900 x 2130 x 45 HMD Door/ HMF Frame

NON-RTD Door/NON-RTD Frame

3	HINGE, 4 1/2, STD WT	TA2895 114MM	26D	MCK
1	CLASSROOM LOCK	ALX70R X SPA X 47267042 X 47267101 X KA	626	SCH
1	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 862MM	C32D	GAL
1	WALL STOP	GSH 240	C26D	GAL

HARDWARE SCHEDULE - CODE # 7013

MILL-COURTLAND COMMUNITY CENTRE  
216 MILL ST.

Heading # 03.1

1 SGL DOOR 103A CORRIDOR 102 FROM MULTI-PURPOSE ROOM 103

90° RHR

900 x 2130 x 45 HMD Door/ HMF Frame

NON-RTD Door/NON-RTD Frame

3	HINGE, 4 1/2, STD WT	TA2895 114MM	26D	MCK
1	CLASSROOM LOCK	ALX70R X SPA X 47267042 X 47267101 X KA	626	SCH
1	ELECTRIC STRIKE	5000C-12/24D-630	630	IES-CDI
1	AUTO OPERATOR	8100 SINGLE CASE AUTOMATIC OPERATOR	CLR. ANOD.	REC
1	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 862MM	C32D	GAL
1	WALL STOP	GSH 240	C26D	GAL
1	DOOR POSITION SWITCH	CM-190/31		CAM
		INSTALL ON THE CORRIDOR SIDE OF THE OPENING		
2	ACTUATOR	CM-7536/4-AL; CM-75SB		CAM
1	MISCELLANEOUS	INSTALLATION		DLR
1	MISCELLANEOUS	MISC - WIRE & SUPPLIES	NA	G&A

120V AC TO HEAD, CONDUIT, WIRING AND BACK BOXES BY OTHERS.

Heading # 04

1 SGL DOOR 105 CORRIDOR 102 TO RECEPTION 105

90° RH

965 x 2130 x 45 WD Door/ HMF Frame

NON-RTD Door/NON-RTD Frame

3	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
1	STOREROOM LOCK	ALX80R X SPA X 47267042 X 47267101 X KA	626	SCH
1	ELECTRIC STRIKE	5000C-12/24D-630	630	IES-CDI
1	OVERHEAD STOP/HOLDER, SURFACE	904S	US32D	GLY
1	CLOSER, REGULAR ARM	4040XP.RWPA.689.SRT	689	LCN
1	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 927MM	C32D	GAL

CARD READER BY OTHERS.

Heading # 05

1 SGL DOOR 105A LOUNGE 104 TO RECEPTION 105

90° RH

900 x 2130 x 45 WD Door/ HMF Frame

NON-RTD Door/NON-RTD Frame

3	HINGE, 4 1/2, STD WT	TA2895 114MM	26D	MCK
1	STOREROOM LOCK	ALX80R X SPA X 47267042 X 47267101 X KA	626	SCH
1	ELECTRIC STRIKE	5000C-12/24D-630	630	IES-CDI
1	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 862MM	C32D	GAL
1	WALL STOP	GSH 240	C26D	GAL

CARD READER BY OTHERS.

MILL-COURTLAND COMMUNITY CENTRE  
216 MILL ST.

Heading # 06

1 SGL DOOR 106 LOUNGE 104 TO CRAFT ROOM 106			90°	RH
965 x 2130 x 45 HMD Door/ HMF Frame			NON-RTD Door/NON-RTD Frame	
3	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
1	CLASSROOM LOCK	ALX70R X SPA X 47267042 X 47267101 X KA	626	SCH
1	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 927MM	C32D	GAL
1	WALL STOP	GSH 240	C26D	GAL

Heading # 07

1 SGL DOOR 107A LOUNGE 104 TO DONATION ROOM 107A			90°	RH
1 SGL DOOR 108 LOUNGE 104 TO KINDER ROOM 108			90°	LH
965 x 2130 x 45 HMD Door/ HMF Frame			NON-RTD Door/NON-RTD Frame	
6	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
2	CLASSROOM LOCK	ALX70R X SPA X 47267042 X 47267101 X KA	626	SCH
2	OVERHEAD STOP/HOLDER, SURFACE	904S	US32D	GLY
2	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 862MM	C32D	GAL

Heading # 07.1

1 SGL DOOR 107B LOUNGE 104 TO OFFICE 107B			90°	LH
900 x 2130 x 45 HMD Door/ EXST Frame			NON-RTD Door/NON-RTD Frame	
3	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
1	CYLINDRICAL LOCK WITH THRU BOLTS ENTRANCE	ALX53R X SPA X 47267042 X 47267101 X KA	626	SCH
1	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 862MM	C32D	GAL
1	WALL STOP	GSH 240	C26D	GAL

MILL-COURTLAND COMMUNITY CENTRE  
216 MILL ST.

Heading # 08

1 SGL DOOR 108A EXTERIOR FROM KINDER ROOM 108

90° RHR

965 x 2130 x 45 ALD Door/ ALF Frame

NON-RTD Door/NON-RTD Frame

1	CONTINUOUS HINGE	SL11 BK HD300 X 2108MM X SDTF	BK	SEL
1	RIM EXIT DEVICE NIGHT LATCH CYLINDER ASSEMBLY	CD-35A-NL-OP X 388NL X 1439(US19) X 4-0 X SNB	US19/US28	VON
1	RIM CYLINDER	20-057 X KA	622	SCH
1	MORTISE CYLINDER - DOGGING & MULLION	20-061 X 112 X KA	626	SCH
1	OVERHEAD STOP	104S	US32D	GLY
1	CLOSER, TOP JAMB	4040XP.RWPA.689.SRT	689	LCN
		INSTALL CLOSER INSIDE OPERATOR CASE		
1	DOOR SWEEP	W-13S X 38	BLACK	KNC
1	THRESHOLD	CT-10 X 965MM	BL.A.	KNC
1	MISCELLANEOUS	4040XP-18G.689	689	LCN

INTEGRAL WEATHER STRIPPING BY ALUMINUM DOOR SUPPLIER.

Heading # 09

1 SGL DOOR 109 KINDER ROOM 108 FROM WR 109

90° LHR

800 x 2130 x 45 HMD Door/ EXST Frame

NON-RTD Door/NON-RTD Frame

3	HINGE, 4 1/2, STD WT	TA2895 114MM	26D	MCK
1	PRIVACY SET, WITH THRU BOLTS	ALX40 X SPA X 47267038 X 47267101	626	SCH
1	OVERHEAD STOP/HOLDER, SURFACE	904S	US32D	GLY
1	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 862MM	C32D	GAL

Heading # 10

1 SGL DOOR 110 CORRIDOR 111 TO JANITOR 110

90° RH

1 SGL DOOR 127 CORRIDOR 112 TO STORAGE 127

90° RH

965 x 2130 x 45 HMD Door/ HMF Frame

NON-RTD Door/NON-RTD Frame

6	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
2	CLASSROOM LOCK	ALX70R X SPA X 47267042 X 47267101 X KA	626	SCH
2	OVERHEAD STOP/HOLDER, SURFACE	904S	US32D	GLY
2	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 927MM	C32D	GAL

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MILL-COURTLAND COMMUNITY CENTRE  
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Heading # 11

1 PR DOORS 111 CORRIDOR 111 FROM CORRIDOR 112

90° LHRA

965/965 x 2130 x 45 HMD Door/ HMF Frame

45 MIN Door/45 MIN Frame

6	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
2	SVR EXIT DEVICE	9827L-F X 996L(#17) X 499F X 4-0 X 2134MMH X LBR	US26D/US32 D	VON
1	RIM CYLINDER - TRIM	20-057 X KA	626	SCH
2	CLOSER, PARALLEL ARM	4040XP.RWPA.689.SRT	689	LCN
2	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 940MM	C32D	GAL
2	ELECTROMAGNETIC HOLDER	EM 508-24120	689	DKB
1	ASTRAGAL	W-25 X 7	C.A.	KNC

Heading # 12

1 SGL DOOR 112 EXTERIOR FROM CORRIDOR 112

90° RHR

965 x 2130 x 45 ALD Door/ ALF Frame

NON-RTD Door/NON-RTD Frame

1	CONTINUOUS HINGE	SL11 BK HD300 X 2108MM X SDTF	BK	SEL
1	RIM EXIT DEVICE NIGHT LATCH CYLINDER ASSEMBLY	CD-35A-NL-OP X 388NL X 1439(US19) X 4-0 X SNB	US19/US28	VON
1	RIM CYLINDER	20-057 X KA	622	SCH
1	MORTISE CYLINDER - DOGGING & MULLION	20-061 X 112 X KA	626	SCH
1	ELECTRIC STRIKE	9400-12/24D-630	630	IES-CDI
1	OVERHEAD STOP	104S	US32D	GLY
1	AUTO OPERATOR	8100 SINGLE CASE AUTOMATIC OPERATOR	CLR. ANOD.	REC
1	DOOR POSITION SWITCH	CM-190/31		CAM
1	DOOR SWEEP	W-13S X 38	BLACK	KNC
1	THRESHOLD	CT-10 X 965MM	BL.A.	KNC
1	ACTUATOR	CM-7536/4-AL; CM-75SB INTERIOR SIDE		CAM
1	ACTUATOR	CM-7536/4-BLK; CM-75SB EXTERIOR SIDE		CAM
1	RELAY	CX-12PLUS		CAM
1	MISCELLANEOUS	INSTALLATION		DLR
1	MISCELLANEOUS	MISC - WIRE & SUPPLIES	NA	G&A

INTEGRAL WEATHER STRIPPING BY ALUMINUM DOOR SUPPLIER.  
120V AC TO HEAD, CONDUIT, WIRING AND BACK BOXES BY OTHERS.  
CARD READER BY OTHERS.

MILL-COURTLAND COMMUNITY CENTRE  
216 MILL ST.

Heading # 13

1 SGL DOOR 113 CORRIDOR 112 TO OFFICE 113

90° RH

965 x 2130 x 45 WD Door/ HMF Frame

45 MIN Door/45 MIN Frame

3	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
1	CYLINDRICAL LOCK WITH THRU BOLTS	ALX53R X SPA X 47267042 X 47267101 X KA	626	SCH
1	CLOSER, REGULAR ARM	4040XP.RWPA.689.SRT	689	LCN
1	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 862MM	C32D	GAL
1	WALL STOP	GSH 240	C26D	GAL

Heading # 13.1

1 SGL DOOR 115 CORRIDOR 112 TO PANTRY 115

90° LH

965 x 2130 x 45 HMD Door/ HMF Frame

45 MIN Door/45 MIN Frame

3	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
1	STOREROOM LOCK	ALX80R X SPA X 47267042 X 47267101 X KA	626	SCH
1	CLOSER, REGULAR ARM	4040XP.RWPA.689.SRT	689	LCN
1	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 927MM	C32D	GAL
1	WALL STOP	GSH 240	C26D	GAL

Heading # 14

1 SGL DOOR 114 CORRIDOR 112 TO ELECTRICAL 114

90° LH

900 x 2130 x 45 HMD Door/ EXST Frame

45 MIN Door/45 MIN Frame

3	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
1	STOREROOM LOCK	ALX80R X SPA X 47267042 X 47267101 X KA	626	SCH
1	ELECTRIC STRIKE	1500C-12/24D-630	630	IES-CDI
1	CLOSER, REGULAR ARM	4040XP.RWPA.689.SRT	689	LCN
1	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 927MM	C32D	GAL
1	WALL STOP	GSH 240	C26D	GAL

HARDWARE SCHEDULE - CODE # 7013

MILL-COURTLAND COMMUNITY CENTRE  
216 MILL ST.

Heading # 15

1 SGL DOOR 116 CORRIDOR 112 TO UNIVERSAL WASHROOM 116

90° LH

965 x 2130 x 45 HMD Door/ HMF Frame

NON-RTD Door/NON-RTD Frame

3	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
1	STOREROOM LOCK	ALX80R X SPA X 47267042 X 47267101 X KA	626	SCH
1	EXIT CONTROL LOCK	CX-WC13AXSM		CAM
1	EXIT CONTROL LOCK	CX-WEC10		CAM
1	ELECTRIC STRIKE	5000C-12/24D-630	630	IES-CDI
1	AUTO OPERATOR	8100 SINGLE CASE AUTOMATIC OPERATOR	CLR. ANOD.	REC
1	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 927MM	C32D	GAL
1	WALL STOP	GSH 240	C26D	GAL
1	ACTUATOR	CM-7536/4-AL; CM-75SB		CAM
1	MISCELLANEOUS	MISC - WIRE & SUPPLIES	NA	G&A
1	MISCELLANEOUS	INSTALLATION		DLR
1	MOUNTING HARDWARE	CM-43CBL		CAM

120V TO HEAD, CONDUIT, WIRING AND BACK BOXES BY OTHERS.

Heading # 16

1 SGL DOOR 119 CORRIDOR 112 TO FEMALE WASHROOM 119

90° LH

1 SGL DOOR 122 CORRIDOR 112 TO MALE WASHROOM 122

90° RH

965 x 2130 x 45 HMD Door/ HMF Frame

NON-RTD Door/NON-RTD Frame

6	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
2	PUSH PLATE	GSH 81A X 2-SIDED TAPE X 152MM X 508MM	C32D	GAL
2	PULL	4709-2 X #2	C32D	GAL
2	CLOSER, REGULAR ARM	4040XP.RWPA.689.SRT	689	LCN
2	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 927MM	C32D	GAL
2	WALL STOP	GSH 240	C26D	GAL

Heading # 17

1 SGL DOOR 120 CORRIDOR 112 TO W/C 120

90° RH

965 x 2130 x 45 HMD Door/ HMF Frame

NON-RTD Door/NON-RTD Frame

3	HINGE, 4 1/2, STD WT	TA2895 114MM	26D	MCK
1	PRIVACY SET, WITH THRU BOLTS	ALX40 X SPA X 47267038 X 47267101	626	SCH
1	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 862MM	C32D	GAL
1	WALL STOP	GSH 240	C26D	GAL

MILL-COURTLAND COMMUNITY CENTRE  
216 MILL ST.

Heading # 18

1 PR DOORS 123 CORRIDOR 112 FROM ACTIVITY/ BANQUET ROOM 123			90°	LHRA
900/900 x 2130 x 45 HMD Door/ EXST Frame			NON-RTD Door/NON-RTD Frame	
6	HINGE, 4 1/2, STD WT	TA2895 114MM	26D	MCK
1	ELECTRIC POWER TRANSFER	EPT 10	SP28	VON
2	FLUSH BOLT, AUTOMATIC, EXTENSION	FB31P-12-MD	US32D	IVE
1	STOREROOM LOCK	ALX80R X SPA X 47267042 X 47267101 X KA	626	SCH
1	ELECTRIC STRIKE	1500C-12/24D-630	630	IES-CDI
2	CLOSER, PARALLEL ARM	4040XP.SHCUSH.689.SRT	689	LCN
2	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 875MM	C32D	GAL
Z-ASTRAGAL BY HM DOOR SUPPLIER.				

Heading # 18.1

1 PR DOORS 123A CORRIDOR 112 FROM ACTIVITY/ BANQUET ROOM 123			90°	LHRA
900/900 x 2130 x 45 HMD Door/ EXST Frame			NON-RTD Door/NON-RTD Frame	
6	HINGE, 4 1/2, STD WT	TA2895 114MM	26D	MCK
1	ELECTRIC POWER TRANSFER	EPT 10	SP28	VON
2	FLUSH BOLT, AUTOMATIC, EXTENSION	FB31P-12-MD	US32D	IVE
1	STOREROOM LOCK	ALX80R X SPA X 47267042 X 47267101 X KA	626	SCH
1	ELECTRIC STRIKE	1500C-12/24D-630	630	IES-CDI
2	CLOSER, PARALLEL ARM	4040XP.SHCUSH.689.SRT	689	LCN
1	AUTO OPERATOR	8100 DOUBLE CASE AUTOMATIC OPERATOR	CLR ANOD.	REC
2	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 875MM	C32D	GAL
1	DOOR POSITION SWITCH	CM-190/31		CAM
		INSTALL ON THE CORRIDOR SIDE OF THE OPENING		
1	ACTUATOR	CM-7536/4-AL; CM-75SB		CAM
1	MISCELLANEOUS	MISC - WIRE & SUPPLIES	NA	G&A
1	MISCELLANEOUS	INSTALLATION		DLR
Z-ASTRAGAL BY HM DOOR SUPPLIER.				
120V AC TO HEAD, CONDUIT, WIRING AND BACK BOXES BY OTHERS.				

MILL-COURTLAND COMMUNITY CENTRE  
216 MILL ST.

Heading # 19

1 SGL DOOR 123B EXTERIOR FROM ACTIVITY/ BANQUET ROOM 123

90° LHR

900 x 2130 x 45 HMD Door/ EXST Frame

NON-RTD Door/NON-RTD Frame

1	CONTINUOUS HINGE	SL41 CL HD600 X 2108MM X SDTF	CL	SEL
1	RIM EXIT DEVICE NIGHT LATCH CYLINDER ASSEMBLY	CD-35A-NL-OP X 388NL X 1439(US19) X 3-0 X SNB	US26D/US28	VON
1	RIM CYLINDER - TRIM	20-057 X KA	626	SCH
1	MORTISE CYLINDER - DOGGING & MULLION	20-061 X 112 X KA	626	SCH
1	OVERHEAD STOP	104S	US32D	GLY
1	CLOSER, TOP JAMB	4040XP.RWPA.689.SRT INSTALL CLOSER INSIDE OPERATOR CASE	689	LCN
1	DOOR SWEEP	W-13S X 900MMW	C.A.	KNC
1	THRESHOLD	CT-10 X 900MM	M.A.	KNC
1	MISCELLANEOUS	4040XP-18G.689	689	LCN

INTEGRAL WEATHER STRIPPING BY ALUMINUM DOOR SUPPLIER.

Heading # 20

1 PR DOORS 124 ACTIVITY/ BANQUET ROOM 123 FROM STORAGE 124

90° RHRA

1 PR DOORS 125 ACTIVITY/ BANQUET ROOM 123 FROM STORAGE 125

90° LHRA

900/900 x 2130 x 45 HMD Door/ EXST Frame

NON-RTD Door/NON-RTD Frame

12	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
4	FLUSH BOLT, MANUAL, EXTENSION	FB458-12	US26D	IVE
2	STOREROOM LOCK	ALX80R X SPA X 47267042 X 47267101 X KA	626	SCH
4	OVERHEAD STOP/HOLDER, SURFACE	904H	US32D	GLY
4	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 875MM	C32D	GAL

Z-ASTRAGAL BY HM SUPPLIER.

Heading # 21

1 SGL DOOR 126 CORRIDOR 112 TO MECH. ROOM 126

90° LH

900 x 2130 x 45 HMD Door/ EXST Frame

45 MIN Door/45 MIN Frame

3	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
1	STOREROOM LOCK	ALX80R X SPA X 47267042 X 47267101 X KA	626	SCH
1	CLOSER, REGULAR ARM	4040XP.RWPA.689.SRT	689	LCN
1	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 927MM	C32D	GAL
1	WALL STOP	GSH 240	C26D	GAL

MILL-COURTLAND COMMUNITY CENTRE  
216 MILL ST.

Heading # 22

1 SGL DOOR 128 CORRIDOR 112 TO OFFICE 128	90°	RH
1 SGL DOOR 129 CORRIDOR 112 TO MEETING ROOM 129	90°	LH
1 SGL DOOR 133 MULTI-PURPOSE PROGRAM ROOM 131 TO RECORDING STUDIO 133	90°	RH
1 SGL DOOR 134 MULTI-PURPOSE PROGRAM ROOM 131 TO STORAGE 134	90°	LH
965 x 2130 x 45 HMD Door/ HMF Frame	NON-RTD Door/NON-RTD Frame	
12 HINGE, 4 1/2, HVY WT LH168BB 114MM X 114MM	US26D	LAW
4 CYLINDRICAL LOCK WITH THRU BOLTS ALX53R X SPA X 47267042 X 47267101 X KA	626	SCH
4 KICK PLATE GSH 80A X 2-SIDED TAPE X 203MM X 862MM	C32D	GAL
4 WALL STOP GSH 240	C26D	GAL

Heading # 23

1 PR DOORS 130 EXTERIOR FROM ENTRY VESTIBULE 130	90°	LHRA
965/965 x 2350 x 45 ALD Door/ ALF Frame	NON-RTD Door/NON-RTD Frame	
2 CONTINUOUS HINGE SL11 BK HD300 X 2413MM X SDTF	BK	SEL
1 MULLION 12-980 X 120MM	PC	SAR
1 RIM EXIT DEVICE NIGHT LATCH CYLINDER ASSEMBLY CD-35A-NL-OP X 388NL X 1439(US19) X 4-0 X SNB	US19/315	VON
1 RIM EXIT DEVICE EXIT ONLY CD-35A-EO X 1439(US19) X 4-0 X SNB	315	VON
2 MORTISE CYLINDER 20-061 X 112 X KA	622	SCH
1 RIM CYLINDER 20-057 X KA	622	SCH
1 ELECTRIC STRIKE 9500-12/24D-BSP	BSP	HES
2 PULL GSH 1180-2 X #2	BLACK	GAL
2 OVERHEAD STOP/HOLDER, CONCEALED 104S	BLK	GLY
1 CLOSER, TOP JAMB 4040XP.RWPA.622.SRT INSTALL CLOSER INSIDE OPERATOR CASE	622	LCN
1 AUTO OPERATOR 8100 DOUBLE CASE AUTOMATIC OPERATOR	BLACK	REC
2 DOOR SWEEP W-13S X 38	BLACK	KNC
1 THRESHOLD CT-10 X 1930MM	BL.A.	KNC
2 ACTUATOR CM-7536/4-BLK; CM-75SB		CAM
1 MISCELLANEOUS INSTALLATION		DLR
1 MISCELLANEOUS MISC - WIRE & SUPPLIES	NA	G&A
1 CLOSER, ACCESSORY 4640 CLOSER SHAFT EXTENSION	AL	LCN

INTEGRAL WEATHER STRIPPING BY ALUMINUM DOOR SUPPLIER.  
CONFIRM DOOR THICKNESS WITH AL DOOR SUPPLIER PRIOR TO ORDERING HARDWARE.  
120V AC TO HEAD, CONDUIT, WIRING AND BACK BOXES BY OTHERS.

MILL-COURTLAND COMMUNITY CENTRE  
216 MILL ST.

Heading # 24

1 PR DOORS 130A ENTRY VESTIBULE 130 FROM CORRIDOR 112

90° LHRA

965/965 x 2350 x 45 ALD Door/ ALF Frame

NON-RTD Door/NON-RTD Frame

2	CONTINUOUS HINGE	SL11 BK HD300 X 2413MM X SDTF	BK	SEL
2	EXIT DEVICE TRIM ONLY	350 X 36MM X SNB	315	VON
2	PULL	GSH 1180-2 X #2	BLACK	GAL
2	OVERHEAD STOP/HOLDER, CONCEALED	104S	BLK	GLY
1	CLOSER, TOP JAMB	4040XP.RWPA.622.SRT INSTALL CLOSER INSIDE OPERATOR CASE	622	LCN
1	AUTO OPERATOR	8100 DOUBLE CASE AUTOMATIC OPERATOR	BLACK	REC
1	DOOR POSITION SWITCH	CM-190/31		CAM
1	THRESHOLD	CT-10 X 1930MM	BL.A.	KNC
2	ACTUATOR	CM-7536/4-BLK; CM-75SB		CAM
1	RELAY	CX-12PLUS		CAM
1	MISCELLANEOUS	MISC - WIRE & SUPPLIES	NA	G&A
1	MISCELLANEOUS	INSTALLATION		DLR
1	CLOSER, ACCESSORY	4640 CLOSER SHAFT EXTENSION	AL	LCN

CONFIRM DOOR THICKNESS WITH AL DOOR SUPPLIER PRIOR TO ORDERING HARDWARE.  
120V AC TO HEAD, CONDUIT, WIRING AND BACK BOXES BY OTHERS.

Heading # 25

1 PR DOORS 131 CORRIDOR 112 TO MULTI-PURPOSE PROGRAM ROOM 131

90° RHA

965/965 x 2130 x 45 HMD Door/ HMF Frame

NON-RTD Door/NON-RTD Frame

6	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
2	FLUSH BOLT, AUTOMATIC, EXTENSION	FB31P-12-MD	US32D	IVE
1	CYLINDRICAL DEAD LOCK	B562R X 12-288 X 10-094 X KA	626	SCH
2	PUSH PLATE	GSH 81A X 2-SIDED TAPE X 152MM X 508MM	C32D	GAL
2	PULL	4709-2 X #2	C32D	GAL
2	CLOSER, PARALLEL ARM	4040XP.SHCUSH.689.SRT	689	LCN
2	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 940MM	C32D	GAL
1	WALL STOP	GSH 240	C26D	GAL

Z-ASTRAGAL BY HM SUPPLIER.

HARDWARE SCHEDULE - CODE # 7013

MILL-COURTLAND COMMUNITY CENTRE  
216 MILL ST.

Heading # 26

1 PR DOORS 131A EXTERIOR FROM MULTI-PURPOSE PROGRAM ROOM 131

90° RHRA

965/965 x 2130 x 45 ALD Door/ ALF Frame

NON-RTD Door/NON-RTD Frame

2	CONTINUOUS HINGE	SL11 BK HD300 X 2108MM X SDTF	BK	SEL
1	MULLION	L980S X 86MM	PC	SAR
1	RIM EXIT DEVICE NIGHT LATCH CYLINDER ASSEMBLY	CD-35A-NL-OP X 388NL X 1439(US19) X 4-0 X SNB	US19/315	VON
1	RIM EXIT DEVICE EXIT ONLY	CD-35A-EO X 1439(US19) X 4-0 X SNB	315	VON
3	MORTISE CYLINDER	20-061 X 112 X KA	622	SCH
1	RIM CYLINDER	20-057 X KA	622	SCH
2	PULL	GSH 1180-2 X #2	BLACK	GAL
2	OVERHEAD STOP/HOLDER, CONCEALED	104S	BLK	GLY
2	CLOSER, TOP JAMB	4040XP.RWPA.622.SRT INSTALL CLOSER INSIDE OPERATOR CASE	622	LCN
2	DOOR SWEEP	W-13S X 38	BLACK	KNC
1	THRESHOLD	CT-10 X 1930MM	BL.A.	KNC
2	MISCELLANEOUS	4040XP-18G.622	622	LCN

INTEGRAL WEATHER STRIPPING BY ALUMINUM DOOR SUPPLIER.  
CONFIRM DOOR THICKNESS WITH AL DOOR SUPPLIER PRIOR TO ORDERING HARDWARE.  
120V AC TO HEAD, CONDUIT, WIRING AND BACK BOXES BY OTHERS.

Heading # 27

1 SGL DOOR 117 CORRIDOR 112 TO SERVERY 117

90° RH

1 SGL DOOR 117B ACTIVITY/ BANQUET ROOM 123 TO SERVERY 117

90° RH

900 x 2130 x 45 HMD Door/ HMF Frame

NON-RTD Door/NON-RTD Frame

6	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
2	CLASSROOM LOCK	ALX70R X SPA X 47267042 X 47267101 X KA	626	SCH
2	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 862MM	C32D	GAL

HARDWARE SCHEDULE - CODE # 7013

MILL-COURTLAND COMMUNITY CENTRE  
216 MILL ST.

Heading # 28

1 SGL DOOR 117A KINDER ROOM 108 TO SERVERY 117

90° LH

900 x 2130 x 45 HMD Door/ HMF Frame

45 MIN Door/45 MIN Frame

3	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
1	CLASSROOM LOCK	ALX70R X SPA X 47267042 X 47267101 X KA	626	SCH
1	OVERHEAD STOP/HOLDER, SURFACE	904S	US32D	GLY
1	CLOSER, REGULAR ARM	4040XP.RWPA.689.SRT	689	LCN
1	KICK PLATE	GSH 80A X 2-SIDED TAPE X 203MM X 862MM	C32D	GAL

US26D	LAW
626	SCH
US32D	GLY
689	LCN
C32D	GAL

Heading # 29

1 SGL DOOR 126A MECH. ROOM 126A

90°

exst x exst x 45 EXST Door/ EXST Frame

NON-RTD Door/NON-RTD Frame

EXISTING DOOR HARDWARE TO REMAIN.

Heading # 30

1 PR DOORS 104 LOUNGE 104 FROM CLOSET

90° LHR,RHR

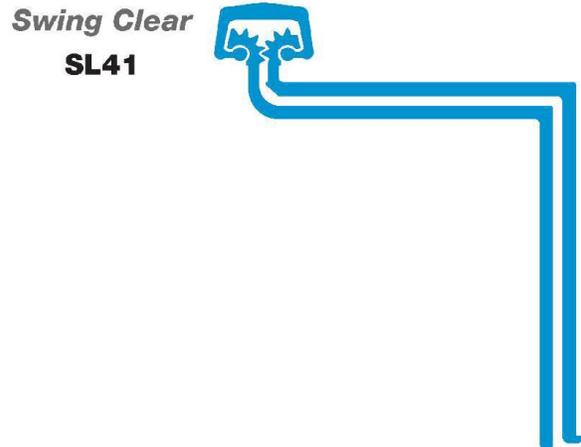
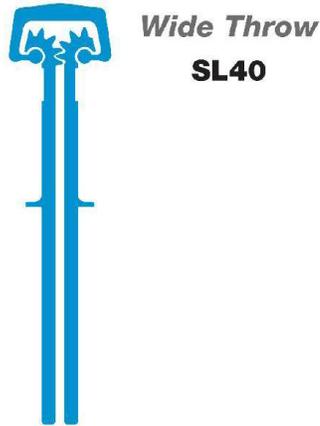
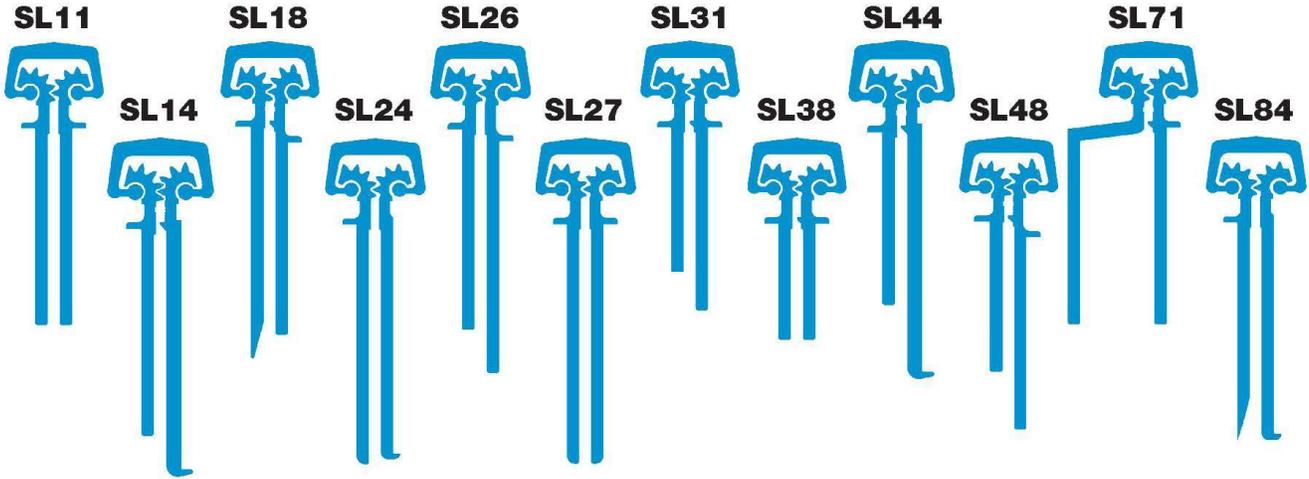
600/600 x 2130 x 45 WD Door/ WDF Frame

NON-RTD Door/NON-RTD Frame

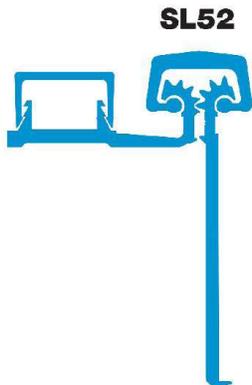
6	HINGE, 4 1/2, HVY WT	LH168BB 114MM X 114MM	US26D	LAW
2	DUMMY TRIM, SINGLE	ALX170 X SPA	626	SCH
2	OVERHEAD STOP/HOLDER, SURFACE	452S	652	GLY
2	CATCH, MAGETIC	327	A92	IVE

US26D	LAW
626	SCH
652	GLY
A92	IVE

*Concealed*



*Half Mortise*

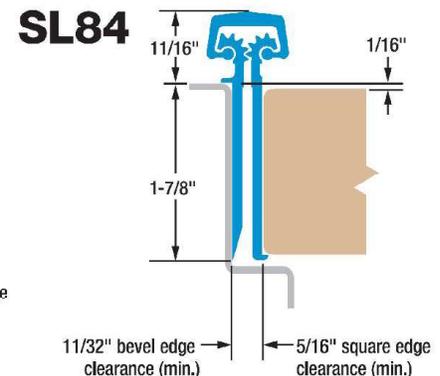
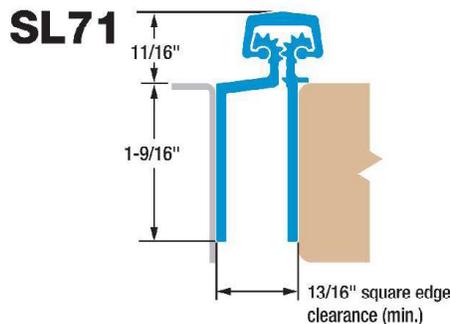
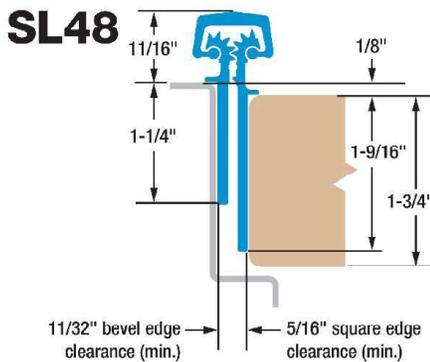
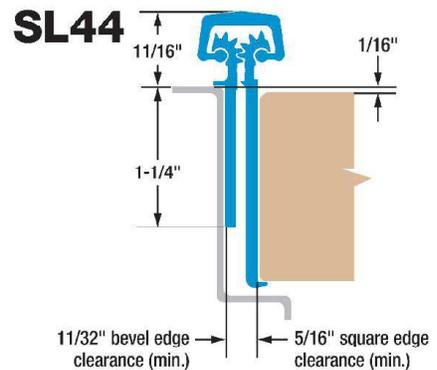
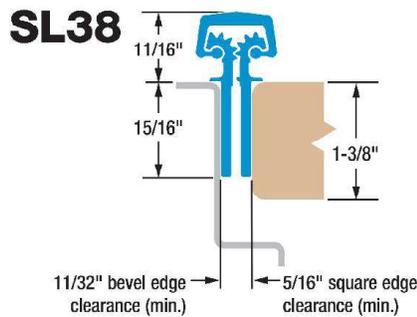
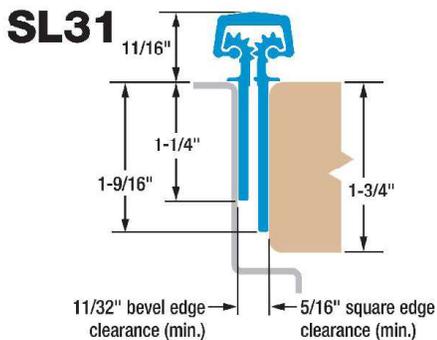
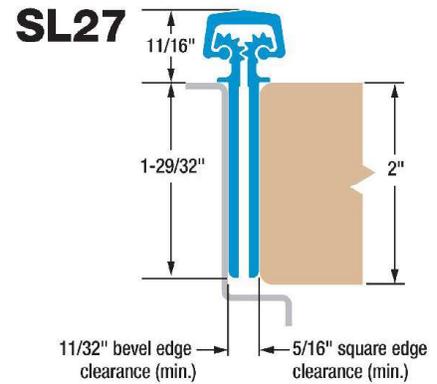
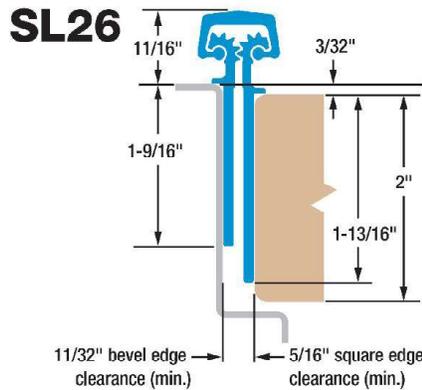
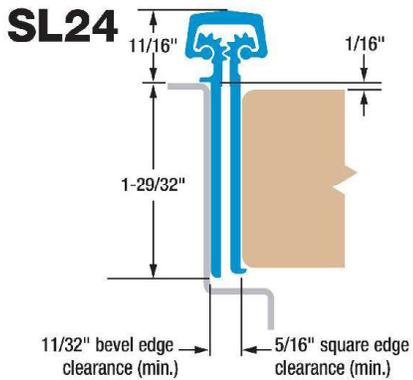
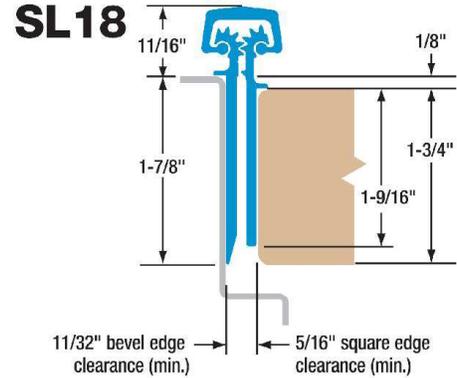
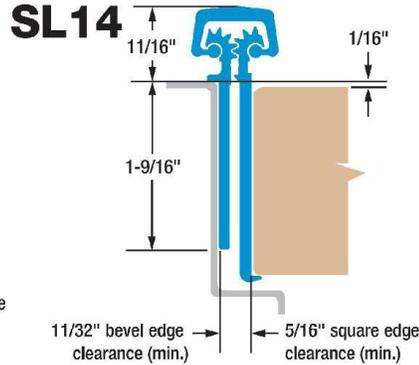
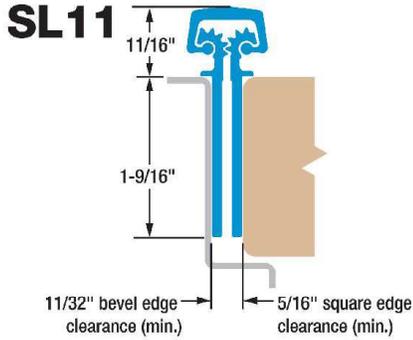


*Half Surface*



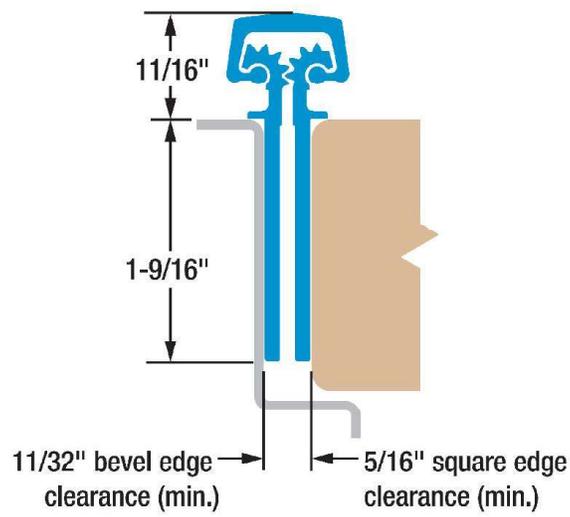
*Full Surface*

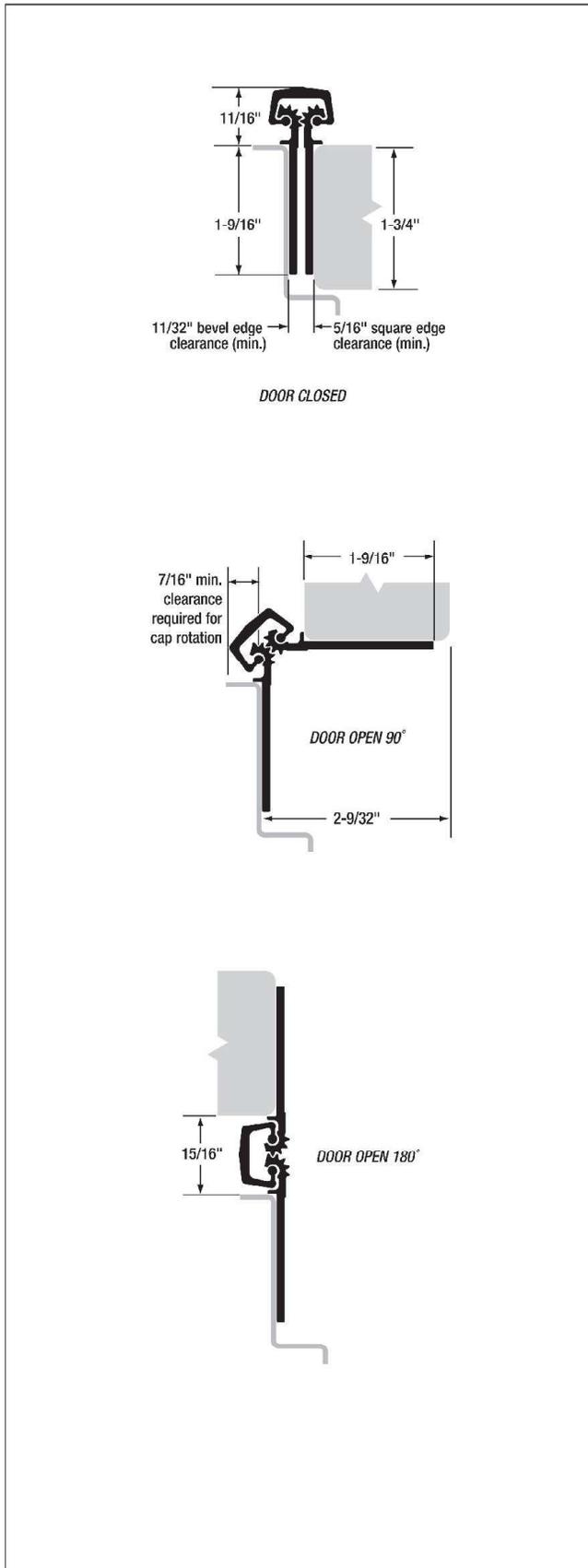






- Flush mounted (no door inset)
- For 1-3/4" doors



**SL11 Concealed Geared Continuous Hinge**


**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.

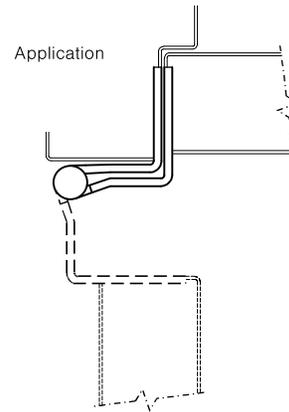
SL11 HINGE SCREW COUNT		
HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
79" HD	19	19
83" SD/HD	19	19
85" SD/HD	19	19
95" SD/HD	21	21
120" SD/HD	23	23
83" LL	26	26
85" LL	26	26
95" LL	30	30
120" LL	34	34

## Five Knuckle Standard Weight Swing Clear Series (Reversible)

**Swing Clear Hinges create barrier free openings by moving the hinge barrel and door edge out of the way.**

- Recommended for use on standard weight, medium frequency doors in schools, hospitals or other public buildings
- Hinge allows for maximum clearance for passage of beds, tables or other equipment through the doorway
- Meets ADA Requirements and ANSI A117.1-1986
- Pressed steel jambs require no special reinforcing
- Pin is held in place by an NRP set screw, which allows the hinge to be reversible
- For Beveled Edge, where doors are beveled on hinge side, specify TA4895 or TA4395
- For available finishes see page 28

TA2395  
TA2895



No.	ANSI Cross Reference	Base Material	Weight
TA2395	N/A	Stainless	STD
TA2895	A8122	Steel	STD

### Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
4 1/2"	114.3	.134	8	1/2 x 12-24	1 1/4 x 12
5"	127	.146	8	1/2 x 12-24	1 1/2 x 12

\*Not Available with electric options

**Approved for NFPA 80 fire rated openings**

### Options:

Code	Description
<b>TB</b>	Ball Bearing
<b>HT</b>	Hospital Tip
<b>QC</b>	ElectroLynx® Hinge – 4, 8 or 12 wire available in 4-1/2" US26D and US32D only
<b>CC</b>	Concealed Circuit – 4, 8 or 12 wire available in 4-1/2" US26D and US32D only

## Full Mortise Hinges - Heavy Weight

Full mortise hinge for use on heavy weight doors that have high frequency service. They are suitable for hollow metal or wood doors.



### LH168BB

Certification: ANSI/BHMA A156.1 and A156.7  
 Description: Heavy Weight 5 Knuckle 4 ball bearing hinges Steel

Sizes:	Inches	mm	Inches	mm
	4-1/2" x 4"	(114X102)	.180	(4.6)
	4-1/2" x 4-1/2"	(114X114)	.180	(4.6)
	5" x 4"	(127X102)	.190	(4.8)
	5" x 4-1/2"	(127X114)	.190	(4.8)
	5" x 5"	(127X127)	.190	(4.8)

Finishes: US26, US26D, US10B, C19 (Black)  
 Options: NRP/ETW/PIC/RC  
 cUL Listing stamp for fire

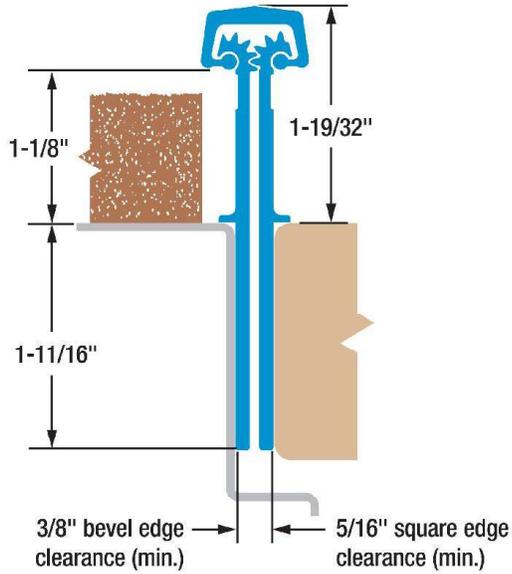
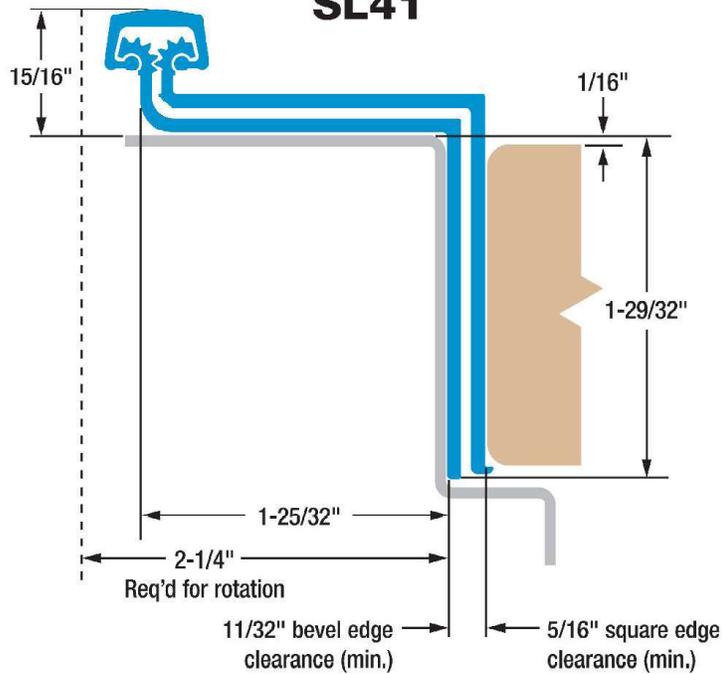


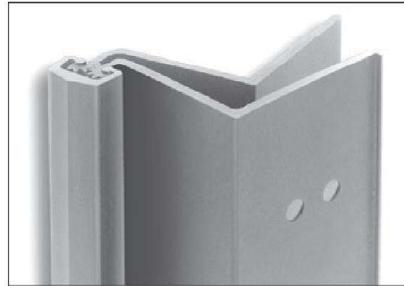
### LH199BB

Certification: ANSI/BHMA A156.1 and A156.7  
 Description: Heavy Weight 5 Knuckle 4 ball bearing hinges Stainless Steel

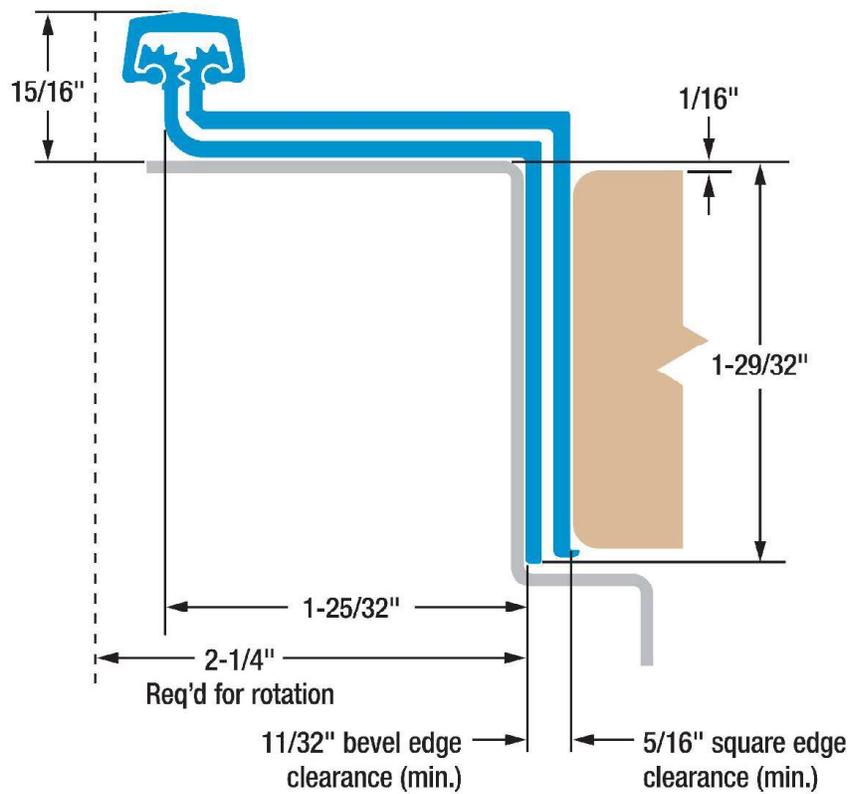
Sizes:	Inches	mm	Inches	mm
	4-1/2" x 4"	(114X102)	.180	(4.6)
	4-1/2" x 4-1/2"	(114X114)	.180	(4.6)
	5" x 4"	(127X102)	.190	(4.8)
	5" x 4-1/2"	(127X114)	.190	(4.8)
	5" x 5"	(127X127)	.190	(4.8)

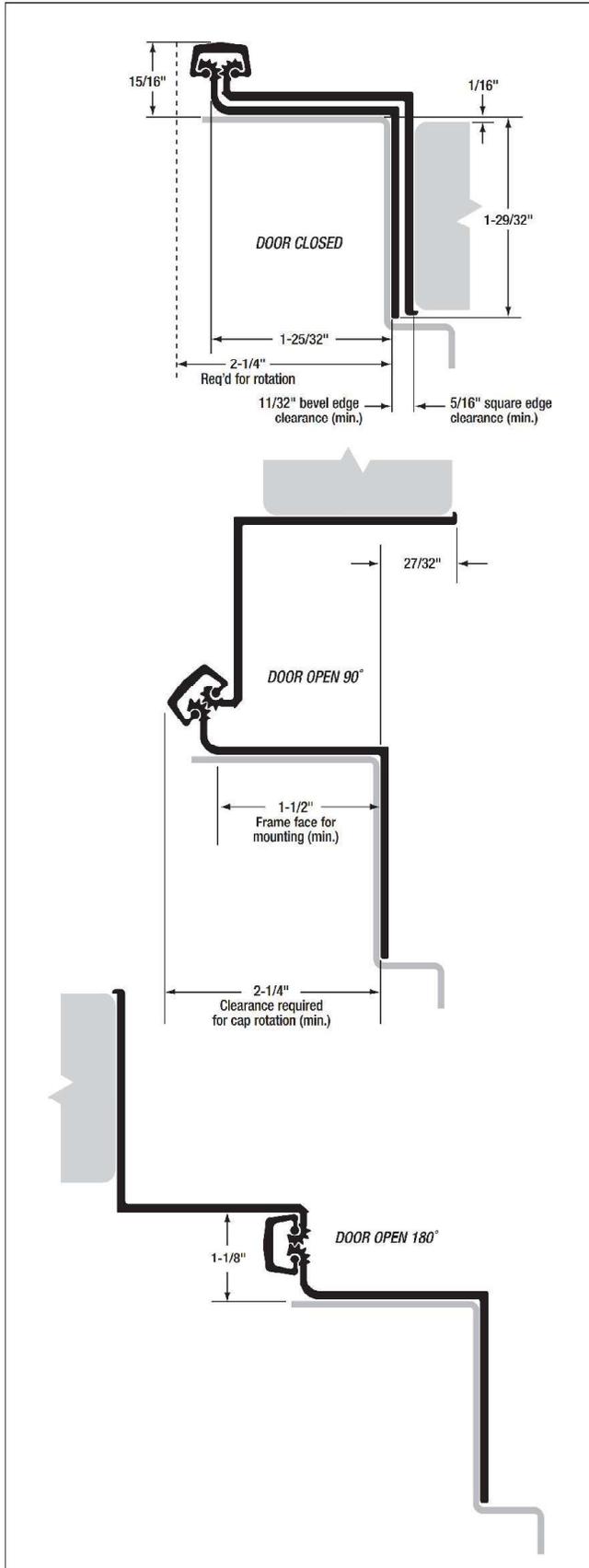
Finishes: US32D  
 Options: NRP/ETW/PIC/RC/HT  
 cUL Listing stamp for fire

*Wide Throw*
**SL40**

*Swing Clear*
**SL41**




- Swing-clear action
- Door edge protector
- Requires 2-1/4" frame face for full rotation clearance
- 1/16" door inset
- For 1-3/4" doors





**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.).

**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 SL41 hinges are stocked in Clear and Dark Bronze 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 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, EMS and CMG. For EPT prep on this hinge model, please consult factory for engineering approval.

**BHMA CERTIFICATION:** SL41HD and SL41LL geared continuous hinges conform to BHMA Standard **BHMA CERTIFIED** ANSI/BHMA A156.26-2006 Grade 1.

SL41 HINGE SCREW COUNT		
HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" HD	19	25
85" HD	19	25
95" HD	21	27
120" HD	23	29
83" LL	26	32
85" LL	26	32
95" LL	30	36
120" LL	34	40

## Flush bolts, strikes and coordinators

### Automatic flush bolts

# FB31P / FB31T / FB31B

#### Top and bottom flush bolts - metal doors

- FB31P top and bottom bolts pair
- FB31T top bolt only
- FB31B bottom bolt only
- Only for use with metal doors
- Fully automatic—inactive door is latched, bolts are extended when active door closes, door is unlatched, bolts retract when active door is opened
- Low actuation forces—top bolt has no spring tension
- Non-handed
- Bolt throw is  $\frac{3}{4}$ " with a  $\frac{7}{8}$ " vertical adjustment
- Bolt backset is  $\frac{3}{4}$ "
- Standard rod length is 12", which is measured from the center of the flush bolt body to the bolt tip

#### Specifications

Mounting hardware	▪ 8-32 X $\frac{3}{8}$ " UFPHMS
	▪ 10-12 X $1\frac{1}{4}$ " Plastic anchor
	▪ 6-32 X $\frac{3}{8}$ " FPHMS
	▪ 6 X $\frac{3}{4}$ " FPHSMS
	▪ 8 X 1" FPHSMS
▪ 10 X 1" FPHSMS	

Certifications	▪ Fits standard ANSI/BHMA A115.4 door frame preparations.
	▪ UL10C Listed (3 hour) fire doors 8'0" x 10'0" when both top and bottom bolt used

#### Options

Optional rod lengths available for top bolt only on non-fire rated openings—18", 24", 36" and 48"

#### Dimensions

Body size (Width x Length x Depth)	Guide size (Width x Length x Height x Thickness)	Strike size (Width x Length x Thickness)	Rub plate size (Width x Length x Thickness)
1" x $6\frac{3}{4}$ " x 2"	1" x $1\frac{27}{32}$ " x $2\frac{27}{32}$ " x $\frac{3}{32}$ "	$\frac{15}{16}$ " x $2\frac{1}{4}$ " x $\frac{1}{16}$ "	$1\frac{1}{4}$ " x $1\frac{11}{16}$ " x $\frac{3}{64}$ "

#### Finishes

BHMA	Description	Substrate	Finish
605	Bright brass	Brass	US3
606	Satin brass	Brass	US4
612	Satin bronze	Brass	US10
613	Oil rubbed bronze	Brass	US10B
BLK	Matte black	Stainless steel	—
629	Bright stainless steel	Stainless steel	US32
630	Satin stainless steel	Stainless steel	US32D

Custom finishes are available as engineering special, consult customer service.

#### Additional accessories

- Security pin screws
- DP1 and DP2 dust proof strike, see page 167



Bottom bolt

Top bolt

## Flush bolts, strikes and coordinators

### Manual flush bolts

# FB458

#### Top or bottom bolts - metal doors

- When the active door is opened, the lever can be moved to the 'up' position, retracting the bolt and allowing the inactive leaf to be opened
  - When the inactive leaf is closed, the lever can be moved to the 'down' position, projecting the bolt into the strike and securely locking the inactive leaf
- Simplified installation in metal frames
  - Round bolt head requires only a punched hole
  - Use of strike optional
  - Special design of guide and flat sided bolt tip to prevent bolt rotation
- Non-handed
- Bolt tip  $1/2$ " diameter
- Bolt throw is  $3/4$ " with a  $7/8$ " vertical adjustment
- Bolt backset is  $3/4$ "
- Standard rod length is 12", which is measured from the center of the flush bolt body to the bolt tip

#### Specifications

Mounting hardware	8-32 X 1" FPHMS
Certifications	UL10C Listed (3 hour) fire doors 8'0" X 10'0" (fire rated openings require top and bottom bolt)

#### Options

Optional rod lengths available for top bolt only on non-fire rated openings—18", 24" for fire rated doors with AHJ approval, 36" and 48" for non-fire rated doors

#### Dimensions

Body size (Width x Length x Depth)	Guide size (Width x Length x Height x Thickness)	Strike size (Width x Length x Thickness)
1" x 6 $3/4$ " x 1 $1/8$ "	1" x 2" x $5/64$ "	$15/16$ " x 2 $1/4$ " x $5/64$ "

#### Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
609	Satin Brass, Blackened	Brass	US5
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
622	Matte Black	Brass	BLK
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
643e/716	Aged Bronze	Brass	—

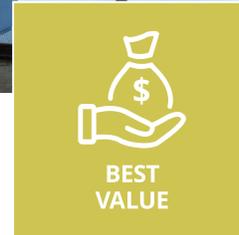
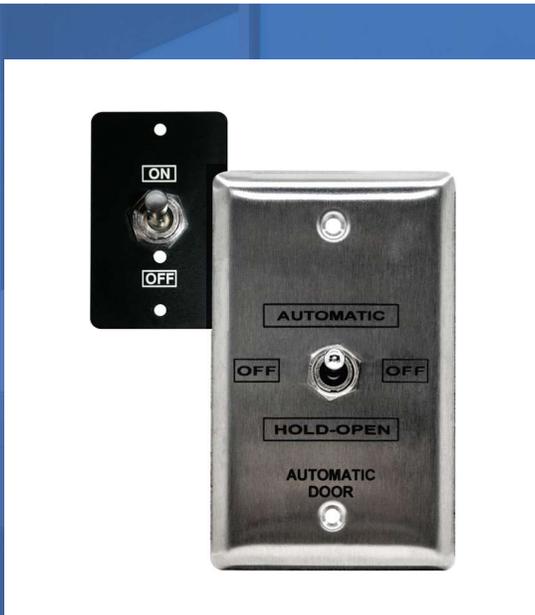
Custom finishes are available as engineering special, consult customer service.

#### Additional accessories

- DP1 and DP2 dust proof strike, see page 167



# CM-190 / 195 Series Automatic Door Toggle Switches



Camden's CM-190 and CM-195 Series maintained toggle switches are specifically designed for control of automatic door operators and are designed to be mounted on the door operator cabinet or wall.

The switches are rated for 50,000 cycles and are rated 6 amps @ 30 VDC.

## Features

- 2 Sizes, Mini and Single Gang
- Two or Three Position Switches
- Heavy Duty 6A Contacts
- Compatible with all Automatic Door Operators
- 3 Year Warranty

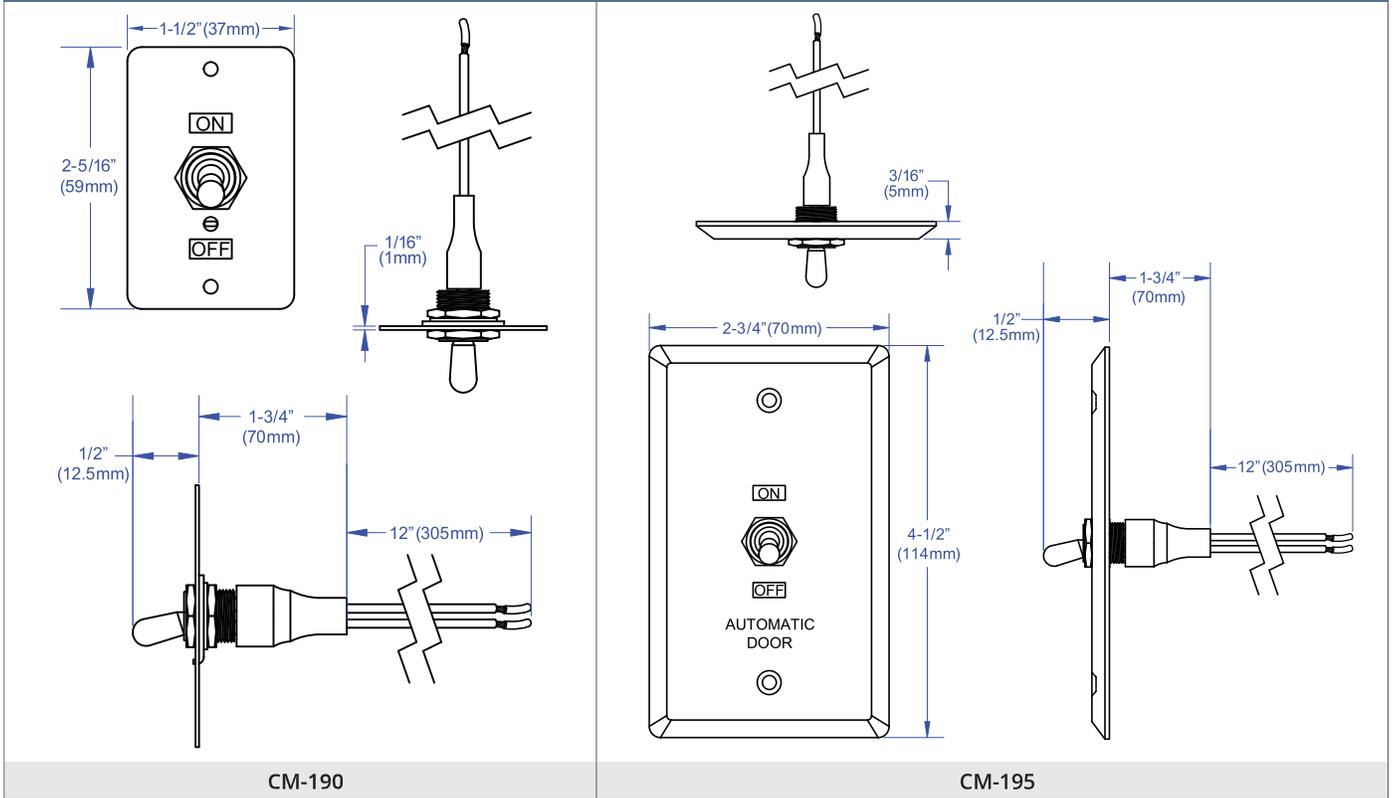


## SPECIFICATIONS

INPUT VOLTAGE: 12/24 VDC  
 CONTACT RATING: 6 A @ 30 VDC  
 SWITCH LIFE: 50,000 Cycles  
 TEMPERATURE RANGE: 4°F to 185°F (-20°C to 85°C)

DIMENSIONS: **CM-190**  
 1-1/2" W x 2-5/16" H x 1-3/4" D  
 (38mm x 59mm x 44mm)  
**CM-195**  
 2-3/4" W x 4-1/2" H x 1-3/4" D  
 (51mm x 114mm x 44mm)

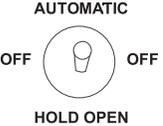
## DIMENSIONS



## ORDERING INFORMATION

	
<p><b>CM-190</b> Mini Aluminum Faceplate</p>	<p><b>CM-195</b> Single Gang Stainless Steel Faceplate</p>

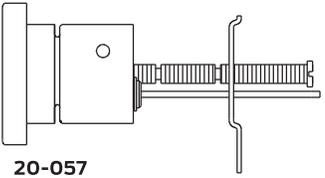
## GRAPHIC OPTIONS (add suffix to model)

	
<p><b>CM-xx/30</b></p>	<p><b>CM-xx/31</b></p>

Full size interchangeable cores

# FSIC cylinders to use with rim and mortise exit devices

Security	Key mechanism	Pins	Patent protected keyway families	Rim cylinders for exit devices	Mortise cylinders for Von Duprin and other straight cam applications	
				Core and housing	Cylinder with compression ring, spring and blocking ring	Cylinder with compression ring and spring
<b>Basic security</b> Open keyways	Standard pin and tumbler	6	— <sup>1</sup>	20-057	20-061	26-091
	Check pin	6	S (Everest 29)			
<b>Enhanced security</b> Restricted use	Check pin	6	T (Everest 29)	20-057	20-061	26-091
	SL	7	R (Everest 29)	91-170	91-173	91-171
<b>Upgraded security</b> Primus level restricted use, geographic exclusivity, and independent sidebar	Legacy Primus	6	S, T (Everest 29)	20-757	20-771	20-763
	Primus RP	6	Obverse <sup>1</sup> (Classic)	20-757-RP	20-771-RP	20-763-RP
	Primus XP	6	S, T (Everest 29)	20-757-XP	20-771-XP	20-763-XP
	Primus XP SL	7	R (Everest 29)	91-870-XP	91-873-XP	91-871-XP
<b>Housing less core</b>				20-079	26-094	26-064



1. Out-of-patent keyways like Classic Obverse are available. Obverse, however, can gain patent protection in a Primus RP or XP cylinder. RP is recommended because patent coverage carries to 2029 versus 2024 for Primus XP.

Security	Key mechanism	Pins	Patent protected keyway families	Adams Rite MS, 4500 and 4700 Series, Lori 4500 Series, and Corbin Russwin DL3000 Series deadlocks/ deadlatches	Adams Rite 4070 deadbolt	
				Cylinder with compression ring, spring and 3/16" plus 3/8" blocking rings	Cylinder with compression ring and spring	Cylinder with compression ring, spring and 3/16" plus 3/8" blocking rings
<b>Basic security</b> Open keyways	Standard pin and tumbler	6	— <sup>1</sup>	20-062	26-098	20-091
	Check pin	6	S (Everest 29)			
<b>Enhanced security</b> Restricted use	Check pin	6	T (Everest 29)	20-062	26-098	20-091
	SL	7	R (Everest 29)	91-174	91-172	91-175
<b>Upgraded security</b> Primus level restricted use, geographic exclusivity, and independent sidebar	Legacy Primus	6	S, T (Everest 29)	20-766	--	20-722
	Primus RP	6	Obverse <sup>1</sup> (Classic)	20-766-RP	--	20-722-RP
	Primus XP	6	S, T (Everest 29)	20-766-XP	--	20-722-XP
	Primus XP SL	7	R (Everest 29)	91-874-XP	--	91-875-XP
<b>Housing less core</b>				20-060 <sup>2</sup>	--	20-090 <sup>2</sup>



**K510-711**  
Adams Rite MS cam



**B520-378**  
Adams Rite 4070 cam

1. Out-of-patent keyways like Classic Obverse are available. Obverse, however, can gain patent protection in a Primus RP or XP cylinder. RP is recommended because patent coverage carries to 2029 versus 2024 for Primus XP.  
 2. Housing only - does not come with compression ring, spring, or blocking ring.

A detailed look...

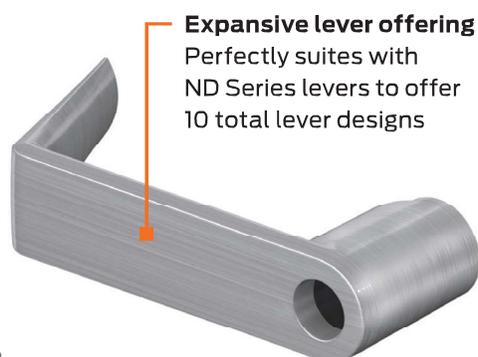
## The X Factor

Qualities defining a lock designed to exceed expectations

The Schlage ALX Series is a grade 2 lock unlike any other. As a modular lock, it features a single, patent pending chassis design that supports most functions and all cylinder applications. The lock's ability to be configured on site to meet the functional need let's you avoid problems. You can do more with less, giving you an unprecedented level of flexibility to every aspect of how you use it in your business.

### Extreme installation simplicity

- Accommodates 1 <sup>3</sup>/<sub>8</sub>" to 1 <sup>3</sup>/<sub>4</sub>" door thickness with minimal chassis adjustment
- Captured screws in latch, strike and inside spring cage eliminate small, loose parts



### Expansive lever offering

Perfectly suites with ND Series levers to offer 10 total lever designs

### Extra functionality

Field reversible Vandlgard® to non-Vandlgard locked lever engagement



### Exceptional durability

- Deep-drawn spindle with 5 points of lever engagement minimizes droop and wobble
- Grade 1 compression springs



## Next level parts management

The ALX Series gives you the advantage both on the job site and in the warehouse with flexible buying options. In its kitted form, the chassis is purchased separately from function and lever kits which are sold in convenient packs of five. Fewer unique parts means more space in your warehouse. There is also a special locksmith mix pack covering 10, 40, 50, 53 and 80 functions to help optimize truck stock.

Schlage ALX Series can be purchased as a configured lock...



**A detailed look...**

**Maximum utility**

One chassis fits all functions and cores to minimize inventory

**Expanded cylinder support**

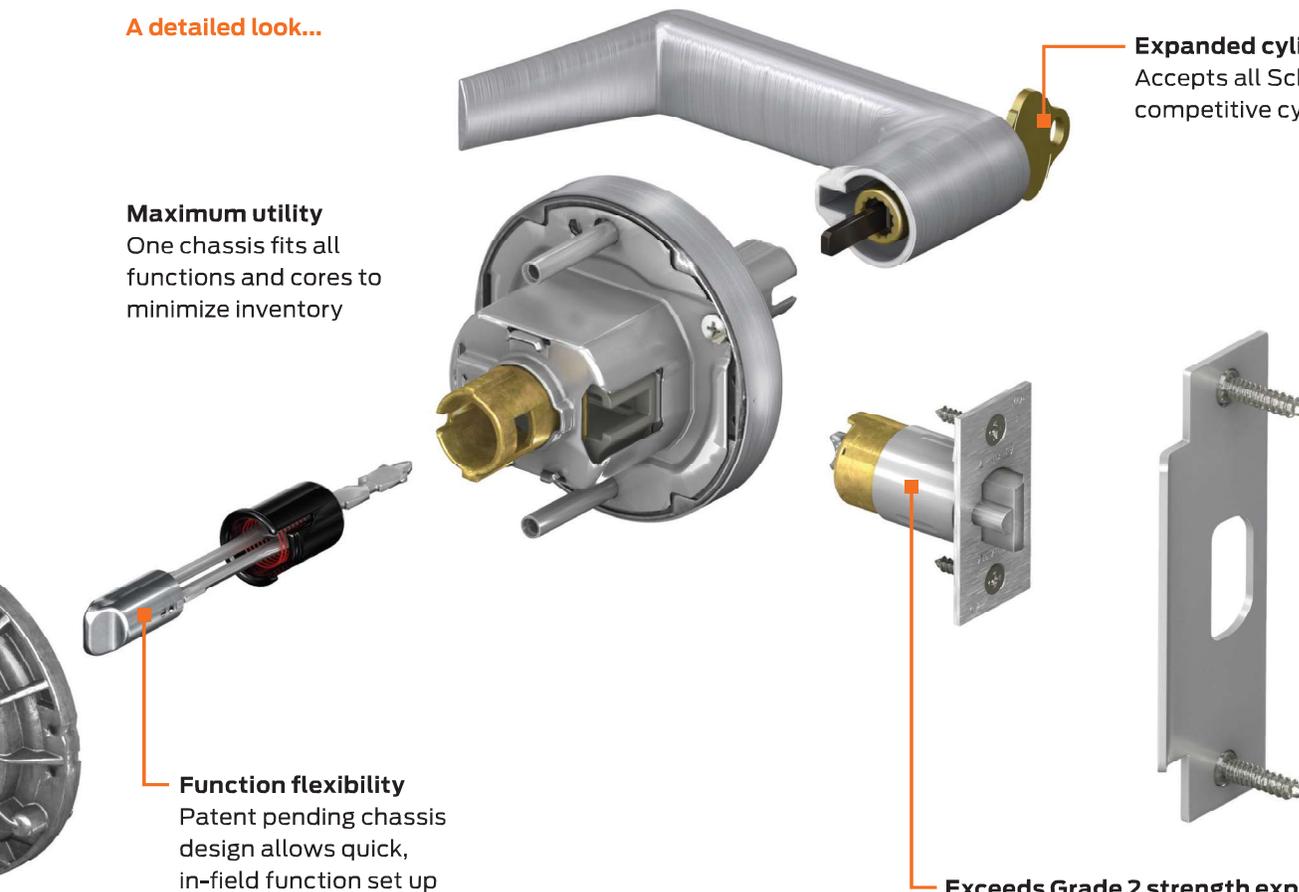
Accepts all Schlage plus five competitive cylinder formats

**Function flexibility**

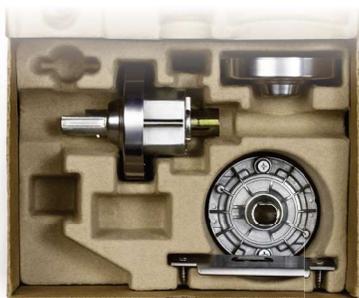
Patent pending chassis design allows quick, in-field function set up

**Exceeds Grade 2 strength expectations**

Stainless steel latchbolt



or as configurable kits for warehouse and jobsite flexibility.



Chassis kits are chosen solely by desired finish. They are shipped non-Vandgard but can be field-configured for Vandgard functionality.



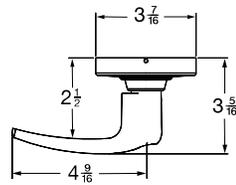
Function kits are sold in packs of five defined by function, finish, and latch backset. Locksmith assortment kits are available.



Levers are sold in five packs of same design with inside levers defined by function, finish and design, and outside levers by function/cylinder, finish and design.

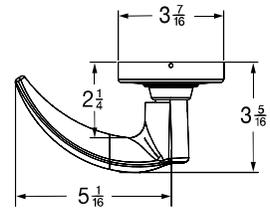
# Lever designs and finishes

Athens (ATH)



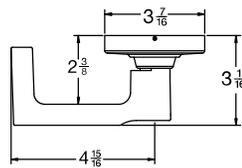
**Cores** KIL, FSIC, SFIC, L-SAR, L-CO6, J-SAR, J-CO6

Omega (OME)<sup>1,2</sup>



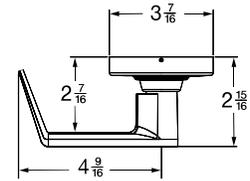
**Cores** KIL, FSIC, SFIC

Boardwalk (BRK)<sup>1</sup>



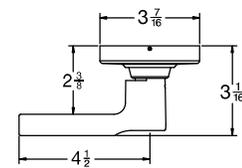
**Cores** KIL, FSIC, SFIC

Rhodes (RHO)<sup>1</sup>



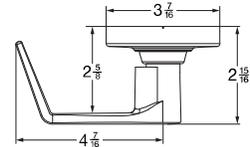
**Cores** KIL, FSIC, SFIC, L-SAR, L-CO6, J-SAR, J-CO6, J-CO7

Broadway (BRW)



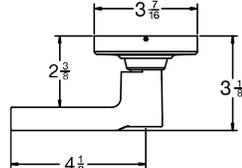
**Cores** KIL, FSIC, SFIC

Saturn (SAT)<sup>1</sup>



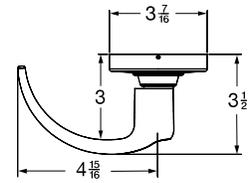
**Cores** KIL

Latitude (LAT)



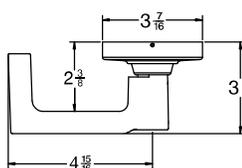
**Cores** KIL, FSIC, SFIC

Sparta (SPA)<sup>1</sup>



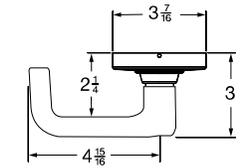
**Cores** KIL, FSIC, SFIC, L-SAR, L-CO6, J-SAR, J-CO6

Longitude (LON)<sup>1</sup>



**Cores** KIL, FSIC, SFIC

Tubular (TLR)<sup>1</sup>



**Cores** KIL, FSIC, SFIC, L-SAR, L-CO6, J-SAR, J-CO6

Finish options

Color	Bright brass	Satin brass	Satin bronze	Oil rubbed bronze	Satin nickel	Matte black	Bright chrome	Satin chrome	Aged bronze
ANSI/BHMA number	605	606	612	613	619	622	625	626/626AM <sup>3</sup>	643e

1. Boardwalk, Longitude, Omega, Rhodes, Saturn, Sparta and Tubular levers comply with California State code for return within 1/2" of door face.  
 2. Omega levers not available for kit system orders.  
 3. Antimicrobial finish option is not available for kit system orders.

Product information and specifications contained in this catalog are subject to change without notice. Please consult the factory.

ALX Series cylindrical functions

Non-keyed functions

Keyed functions

Schlage ALX Series functions can be created or changed in-field simply and quickly.

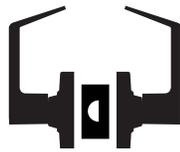
Schlage ANSI

**10 F75**

**Passage latch**

- No key; plain lever both sides; spring latch
- Both levers always unlocked

Outside Inside



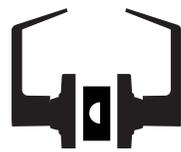
Schlage ANSI

**40 F76**

**Bath/bedroom privacy lock**

- No key; emergency access coin turn outside; push button inside; spring latch
- Inside push button locks outside lever
- Turn inside lever or close door to release button and prevent lock-out; outside coin turn provides emergency access
- Field selectable Vandlgard® feature
- Inside lever is always free for immediate egress

Outside Inside



Schlage ANSI

**50 F82**

**Entrance/office lock**

- Key cylinder outside; push button inside; deadlatch
- Inside push button locks outside lever
- Unlock with key outside or by rotating inside lever
- Field selectable Vandlgard® feature
- Inside lever always free for immediate egress

Outside Inside



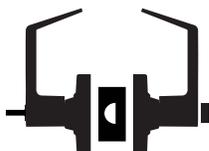
Schlage ANSI

**44 -**

**Hospital privacy lock**

- No key; emergency turn-button outside; push button inside; spring latch
- Inside push button locks outside lever
- Turn inside lever or close door to release button and prevent lock-out; outside turn-button provides emergency access
- Field selectable Vandlgard® feature
- Inside lever is always free for immediate egress

Outside Inside



Schlage ANSI

**170 -**

**Single dummy trim**

- No key; rigid plain lever outside; no hardware inside; no latchbolt
- Use as door pull or matching inactive trim

Notes: Not available for in-field function changes.

Outside or Inside



Schlage ANSI

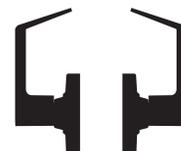
**172 -**

**Double dummy trim**

- No key; rigid, plain lever both sides; no latchbolt
- Use as door pull or matching inactive trim

Notes: Latch cover available. Not available for in-field function changes.

Outside Inside



Schlage ANSI

**70 F84**

**Classroom lock**

- Key cylinder outside; plain lever inside; deadlatch
- Key in outside lever locks or unlocks outside lever
- Field selectable Vandlgard® feature
- Inside lever always free for immediate egress

Outside Inside



# How to order

For correct ordering and to help ensure no delays in the shipment of your product, follow the information sequence below.

## Example: SCH-ALXV53P-RHO-613-47267051-10-013-T123

Brand		Product number			Trim				Door detail				Keyway	Handing	Other requirements								
1	2	3	4	5	6	5	6	7	8	9	10	11	12	13									
		Series	Func	Cylinder suffix	Outside		Inside <sup>1</sup>		Latch part #	Strike part #	Door thickness	Extension	Keyway	Handing	Examples <sup>2</sup>								
SCH	-	ALXV	53	P6	-	RHO	-	613	-	-	-	47267051	-	10-013	-	N/A	-	N/A	-	T123	-	N/A	-
SCH	-	ALX	50	M	-	RHO	-	626	-	LON	-	622	-	-	-	N/A	-	N/A	-	R123	-	N/A	-
Defaults to factory standard if not specified.																							

1. Inside design defaults to outside design unless specified.  
 2. Examples include: Competitive keyway cylinder part number and master keying requirements.

### Detail

- Brand:** Schlage=SCH
- Series:** ALX (for any lock function when Vandgard lever engagement is not desired)  
ALXV (for functions 40, 44, 50, 53, 70 and 80 preset to Vandgard lever engagement)
- Function:** Choose from function list on pages 8 and 9.
- Cylinder suffix:** Choose cylinder type
 

<b>P</b> 6-pin Conventional (keyed 5)	<b>R</b> 6-pin FSIC (full size)	<b>J-SAR</b> Less FSIC, made to fit Sargent 6300
<b>P6</b> 6-pin Conventional (standard)	<b>M</b> SL 7-pin FSIC (A2 pinning)	<b>G7</b> 7-pin SFIC (slide capping)
<b>Z</b> SL 7-pin Conventional (A2 pinning)	<b>T</b> Refundable construction FSIC	<b>BDC</b> Disposable construction SFIC
<b>L</b> Less Conventional cylinder	<b>J</b> Less FSIC	<b>H</b> Refundable construction SFIC
<b>L-CO6</b> Less cylinder, made to fit Corbin 2000-033	<b>J-CO6</b> Less FSIC, made to fit Corbin 8000	<b>B</b> Less SFIC
<b>L-SAR</b> Less cylinder, made to fit Sargent 10L, 11L	<b>J-CO7</b> Less FSIC, made to fit Corbin 8000-7	
- Outside/inside trim:** Indicate abbreviation of lever design. Fill in inside design if different. If knurled/milled tactile warning is desired preface code with the number 8. (8AT, 8BK, 8BW, 8LT, 8LN, 8RO, 8SP, or 8TR)
 

ATH Athens	LON Longitude	SAT Saturn
BRK Boardwalk	OME Omega	SPA Sparta
BRW Broadway	RHO Rhodes	TLR Tubular
LAT Latitude		
- Outside/inside finish:** Choose outside finish from available options. Fill in inside finish if different.
 

605 Bright Brass	619 Satin Nickel	626 Satin Chrome
606 Satin Brass	622 Matte Black	626AM Satin Chrome Antimicrobial
612 Satin Bronze	625 Bright Chrome	643e Aged Bronze
613 Oil Rubbed Bronze		
- Backset/latch part number:** Leave blank for standard latch or specify part number if non-standard latch is required.
- Strike part number:** Leave blank for standard strike or specify part number if non-standard strike is required.
- Door thickness:** Accommodates 1 3/8" through 1 3/4" doors without needing to be specified.
- Extension:** Not available.
- Keyway:** Everest 29 S123 is standard when ordering Conventional or FSIC cylinders; Everest 29 R123 is standard when ordering SFIC cylinders. Other keyways available.
- Handing:** Leave blank - ALX lever options are non-handed.
- Other requirements:**
  - Keying detail may include additional keys (with quantity) requests, large bow keys, master keying (example: Grand Master keyed, Master keyed, change key, etc.)
  - Orders specifying use of restricted keyways must be accompanied by appropriate authorizations

## Options for configured locks

## Latches

Schlage ALX Series latches accommodate flat or beveled edge doors, and are finished to match the lock trim. All ALX Series latches have 1/2" throw and 1" housings except the anti-friction fire door latch, which has a 3/4" throw. Please see the Schlage pricebook for more options including extended backset strikes (up to 5") and rabbited latch and strike kits.

## Grade 2, UL 10C listed for 3-hour fire door

	Specify	Backset	Description	
Springlatch (Restoring unless noted otherwise)	47267038	2 3/4"	Square corner, 1 1/8" x 2 1/4", standard	
	47267039	2 3/4"	Square corner, 1" x 2 1/4"	
	47267041	2 3/4"	Radius corner, 1" x 2 1/4"	
	47267046	2 3/8"	Square corner, 1 1/8" x 2 1/4"	
	47267048	2 3/8"	Square corner, 1" x 2 1/4"	
	47267050	2 3/8"	Radius corner, 1" x 2 1/4"	
	47272024	2 3/4"	Square corner, 1 1/8" x 2 1/4", grade 1 fire and windstorm performance <sup>1</sup>	
	14-010	3 3/4"	Square corner, 1 1/8" x 2 1/4", non-restoring <sup>1</sup>	
	Deadlatch (Non-restoring)	47267042	2 3/4"	Square corner, 1 1/8" x 2 1/4", standard
		47267043	2 3/4"	Square corner, 1" x 2 1/4"
47267045		2 3/4"	Radius corner, 1" x 2 1/4"	
47267051		2 3/8"	Square corner, 1 1/8" x 2 1/4"	
47267052		2 3/8"	Square corner, 1" x 2 1/4"	
47267054		2 3/8"	Radius corner, 1" x 2 1/4"	
14-028		3 3/4"	Square corner, 1 1/8" x 2 1/4"	
13-247		2 3/4"	Square corner, 1 1/8" x 2 1/4", grade 1 fire and windstorm performance <sup>1</sup>	
14-042	2 3/4"	Square corner, 1 1/8" x 2 1/4", anti-friction fire latch <sup>1</sup>		

1. 1" housing diameter only.

Note: Specify finish. All latches for ALX Series, with the exception of the 3/4" anti-friction fire latch, locks have a 1/2" latch projection.

## Strikes

Locks are furnished with a 1 1/4" x 4 7/8" ANSI strike unless otherwise specified. Many additional strike options are available, see price book for details.

	Specify	Lip length	Description
T-strikes	10-013	1 1/8"	Square corner with dust box, 1 1/8" x 2 3/4"
	10-016	1 1/8"	Square corner with deep dust box for 3/4" fire latch, 1 1/8" x 2 3/4"
ANSI strike	47267101	1 3/16"	No dust box, 1 1/4" x 4 7/8", standard
Less strike	LLL		
Dust box	K510-066	N/A	Box for ANSI strike, must be specified

## Cylinder options

### Conventional cylinders (Schlage keyways)

When ordering as part of a configured lock, specify cylinder suffix in the product number as directed on page 12. The "L" less cylinder option also requires that you note the desired cylinder part number under the "other requirements" section of the order string. For kitted product orders simply order desired part number(s) as individual line items.

Configured lock specification	Sold separate part number	Tailpiece only	Functions	Pins	Cylinder mechanism
P, P6	21-020	A700-031	50, 53, 80	5, 6	Pin and tumbler (standard)
	23-195	47270197	70		
Z	91-018	N523-022	50, 53, 80	7	SL cylinder (restricted Everest 29R or Everest B only)
	91-118	47270197	70		
L	20-765	N523-022	50, 53, 80	6	Primus
	20-685	47270197	70		
L	20-565	N523-022	50, 53, 80	6	Primus UL 437 (UL listed high security)
	20-566	47270197	70		
L	91-718-XP	N523-022	50, 53, 80	7	SL cylinder PrimusXP (restricted Everest 29R or Everest B only)
	91-118-XP	47270197	70		
L	20-765-XP	N523-022	50, 53, 80	6	Primus XP
	20-685-XP	47270197	70		
L	20-565-XP	N523-022	50, 53, 80	6	Primus XP UL 437 (UL listed high security)
L	20-566-XP	47270197	70		

Note: Specify keyway and plug face finish when ordering as parts (606, 622, 626, or 643e).

### Interchangeable cores (Schlage keyways)

When ordering as part of a configured lock, specify cylinder suffix in the product number as directed on page 10. The "J" less cylinder option also requires that you note the desired cylinder part number under the "other requirements" section of the order string. For kitted product orders simply order desired part number(s) as individual line items.

Configured lock specification	Sold separate part number	Tailpiece only	Functions	Pins	Cylinder mechanism
R	23-030	N523-127	50, 53, 80	6	FSIC pin and tumbler (standard FSIC)
		47269168	70		
M	91-161	N523-127	50, 53, 80	7	FSIC Everest SL (restricted Everest 29R and Everest B only)
		47269168	70		
J	20-740	N523-127	50, 53, 80	6	Primus FSIC
		47269168	70		
J	91-861	N523-127	50, 53, 80	7	FSIC SL Primus (restricted Everest 29R and Everest B only)
		47269168	70		
T	23-030-ICX	N523-127	50, 53, 80	6	FSIC refundable construction core - color coded
		47269168	70		
G	80-037	N523-091	50, 53, 80	7	SFIC combined Everest 29 R family keyway (standard SFIC)
		47269620	70		
H	80-035	N523-091	50, 53, 80	7	SFIC refundable construction core - color coded
		47269620	70		

Note: Specify plug face finish when ordering as parts: 606, 622, 626 or 643e.

## ALX Series mechanical lock function list

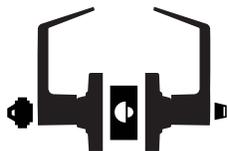
Schlage ANSI

**53 F109**

### Entrance lock

- Key cylinder outside; push/turn button inside; deadlatch
- Inside button locks outside lever by pushing button or pushing and turning button
- Pushed button: unlock with key outside or by rotating inside lever
- Pushed/turned button: key outside retracts latch only; unlock by returning inside button to home position then using key or rotating inside lever
- Field selectable Vandlgard® feature
- Inside lever always free for immediate egress

Outside Inside



Schlage ANSI

**80 F86**

### Storeroom lock

- Key cylinder outside; plain lever inside; deadlatch
- Outside lever always fixed
- Key can retract the latch
- Field selectable Vandlgard® feature
- Inside lever always free for immediate egress

Outside Inside



As a grade 2 lock perfectly suited to the ND Series, ALX allows you to seamlessly suite between the two to gain grade 1 strength, security and functionality when needed.

### Non-keyed functions

Schlage	ANSI	ALX	ND	Function description
10	F75	■	■	Passage latch
12	F89		■	Exit lock
12EL			■	Exit lock - electrically locked (fail safe)
12EU			■	Exit lock - electrically unlocked (fail secure)
25			■	Exit lock (no exterior lever)
40	F76	■	■	Bath/bedroom privacy lock
44		■	■	Hospital privacy lock
170		■	■	Single dummy trim
172		■	■	Double dummy trim

### Keyed functions

Schlage	ANSI	ALX	ND	Function description
50	F82	■	■	Entrance/office lock
53	F109	■	■	Entrance lock
60	F88		■	Vestibule lock
66	F91		■	Store lock
70	F84	■	■	Classroom lock
73	F90		■	Corridor lock
75	F110		■	Classroom security lock
80	F86	■	■	Storeroom lock
80EL			■	Storeroom lock - electrically locked (fail safe)
80EU			■	Storeroom lock - electrically unlocked (fail secure)
82	F87		■	Institution lock
85	F93		■	Faculty restroom lock

### Special functions

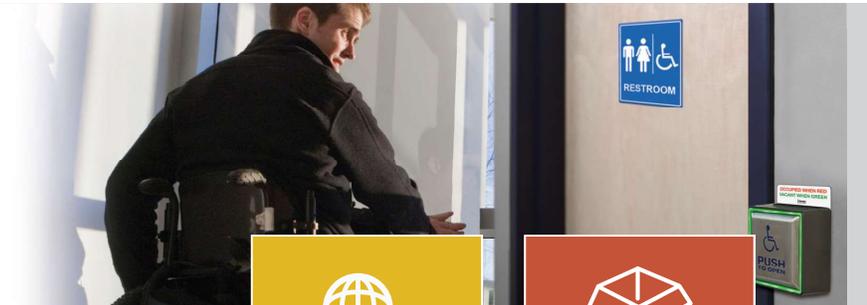
Schlage	ANSI	ALX	ND	Function description
25 x 70			■	Classroom exit lock
25 x 80			■	Storeroom exit lock
30	F77		■	Patio lock
45			■	Time out lock (Vandlgard standard)
60			■	Vestibule with closed outside lever
70 x 80			■	Classroom by storeroom lock
72	F80		■	Communicating lock

■ Note: Functions denoted with black dots are also available with Vandlgard. ND Vandlgard functions may have a different order code.

Vandlgard® trim is specifically designed for highly abusive environments. The outside lever rotates freely up and down when locked, limiting the ability of vandals to apply excessive force to the chassis.



## CX-WC Series Barrier Free Restroom Control



ADVANCED  
TECHNOLOGY



EXCLUSIVE  
PRODUCTS

Camden Door Controls leads the industry with a range of packages designed specifically for the control of automatic doors in restroom applications.

CX-WC Series barrier free restroom control kits include everything needed for a complete installation, including control relays, activation switches, annunciation, electric strikes and power supplies.

Camden kits also feature exclusive products not available elsewhere, including single gang LED annunciators with white-out text, Aura™ illuminated push plate switch enclosures, the option for touchless switches and a pre-wired power supply cabinet.

### Features

- System kits updated to include all components; power supply, controller, activation switches, annunciation, door contact and electric strike.
- Exclusive products and features not available elsewhere.
- The widest range of design options for one or two door restrooms, including the option for touchless switch activation.
- Compatible with Camden 'CX-WEC' emergency call systems for universal restrooms.
- Specifically designed to meet the latest requirements of Ontario Reg. 368/13 Amendment to 2012 OBC for barrier free restrooms.
- 3 year warranty



# CX-WEC Series Emergency Call Systems For Universal & Barrier Free Restroom Control



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



**Camden CX-WEC Series equipment kits include everything you need to meet the latest building code requirements for emergency call systems in Universal restrooms.**

CX-WEC Series Emergency Call System kits include 'PRESS FOR EMERGENCY ASSISTANCE' push button, audible and visual annunciators inside and outside the restroom, and instructional signage.

Next generation CX-WEC10BK2 Universal Emergency Call System kits include a double gang push button/annunciator and a CM-AF142SO multi-color dome light with sounder and flashing LED.



**EXCLUSIVE  
PRODUCT**



**BEST QUALITY**

## Features

- Ideal for universal restrooms with or without low energy door operators.
- Annunciation inside and outside restroom with audible sound adjustment.
- Push/pull 'Press for Emergency Assistance' maintained mushroom push button, or with latching relay for use with momentary switches, including tape (ribbon) switches.
- New single gang multi-color LED dome light with sounder (Red, Green, Blue or White) is offered as an individual component or in the CX-WEC10BK2 emergency control kit.
- CX-WEC Series emergency call systems are available in English, French and Bilingual.
- Compatible with all Camden 'CX-WC' barrier free restroom control kits.
- 3 year warranty



# Strikes

All B Series strikes are fully reversible for right handed and left handed doors, and are furnished complete with screws. Strike boxes are also included with all standard strikes. B Series deadbolt strikes are also packed with our exclusive wood frame reinforcer or a metal dust box reinforcer for added protection against “kick-in” attack.



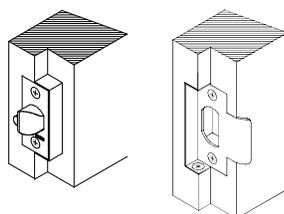
## Strikes for deadbolts

B500	B600	Number	Lip length	Description
	x	10-055	-	1 1/8" x 2 3/4" square corner, B600/700/800
x	x	10-064	-	1 3/16" circular drive-in
x	x	10-087	1 3/16"	1 1/4" x 4 7/8" ANSI
x	x	10-092	1 1/8"	1 5/8" x 2 1/4" radius round corner, no box
x	x	10-094	-	1 1/8" x 2 3/4" square corner, no box
x	x	10-095	1 1/8"	1 5/8" x 2 1/4" full lip, no box
x	x	B250-283	-	Box for 10-055, 10-094 and 10-108
x		10-104	-	1/4" round corner 1 1/4" x 3 5/8". 4 hole no reinforcement strike provided. 605, 609, 620, 650 only
x		10-108	-	1 1/8" x 2 3/4" round corner
x	x	10-103		1/4" round corner 1" x 2 1/4", no reinforcement strike provided. 605, 609, 630 only

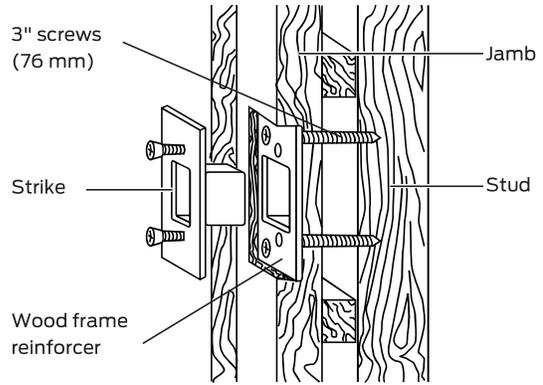
## Strikes for deadlatches

Number	Lip length	Description
10-001	1", 1 1/8", 1 1/4", 1 1/2", 1 3/16", 1 3/4"	1 1/8" x 2 3/4" square corner
10-004	1 1/8"	1 1/8" x 2 3/4" radius round corner
10-025	1 3/16", 1 3/8"	1 1/4" x 2 7/8" ANSI
C603-623	-	Box for T-strike
K510-066	-	Box for 10-025

**Rabbeted latch and strike kit**  
39-030



**Wood frame reinforcer**  
37-016



Furnished with standard and round corner deadbolt strikes, this reinforcer significantly strengthens a jamb against “kick-in” attack and greatly increases the security of the lock. The reinforcer is concealed under the strike and is anchored to the jamb with two 3" long screws. B500 Series metal dust box reinforcer anchors (B520-622) to jamb with three 3" screws.

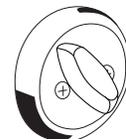
## Thumbturn assemblies and inside plates



**B302-041**  
B560, B580, B581  
**B302-045**  
B563



**B202-672**  
B250 with holdback (standard)



**B202-671**  
B250 without holdback



**12-617**  
B660/760/860  
**12-618**  
B663/763/863



**12-626**  
B561/B661/761/861



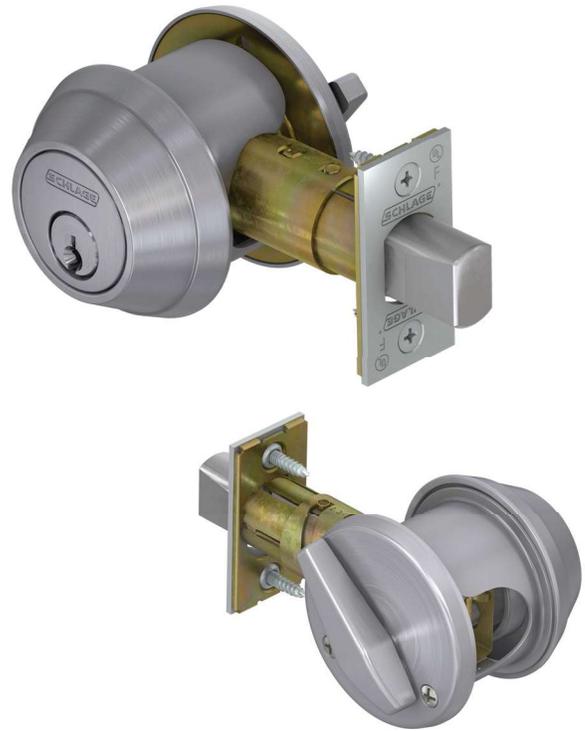
**38-034**  
Blank mounting plate kit for B581, B661, B761, B861

# B500 Series

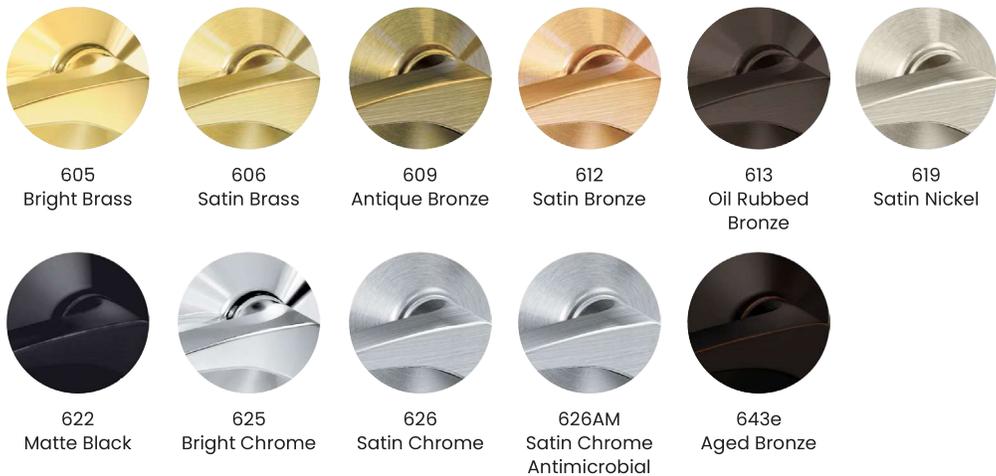
## Grade 2 Deadbolt

### OVERVIEW

The B500 Series deadbolt from Schlage offers some of the toughest, most versatile Grade 2 deadbolts in the business. Designed by locksmiths for locksmiths, B500 Series can accept every Schlage cylinder format and fit virtually every door you service. It features enhanced lock strength on the jamb side of the door and is offered in most functions with optional single- or dual-sided lock status indicator trim options. Large window size and Schlage's patented 180-degree visibility will change forever the way you look at deadbolts.



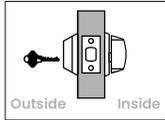
### FINISHES



e = an equivalent finish to the BHMA standard.

## LOCK FUNCTIONS

**Schlage**  
**B560/B560F**



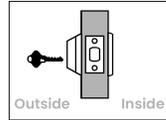
**Single cylinder deadbolt**

- Key cylinder outside; thumbturn inside
- Deadbolt thrown or retracted by key outside or thumbturn inside
- When installed with optional lock status indicator trim, in unlocked state message displays on white background; in locked state on red background

To order configured with indicator specify function and note indicator code as a special option

**ANSI**  
**E0152**

**Schlage**  
**B561/B561F**



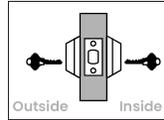
**Cylinder x blank plate deadbolt**

- Key cylinder outside; blank plate inside
- Deadbolt thrown or retracted by key outside
- When installed with optional lock status indicator trim, in unlocked state message displays on white background; in locked state on red background

To order configured with indicator specify function and note indicator code as a special option.

**ANSI**  
**E0162**

**Schlage**  
**B562**



**Double cylinder deadbolt**

- Key cylinder both sides
- Deadbolt thrown or retracted by key from either side
- When installed with optional lock status indicator trim, in unlocked state message displays on white background; in locked state on red background

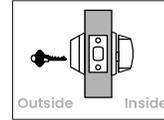
Caution: Double cylinder locks on any door, in any structure which is used for egress are a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

Note: This function cannot be ordered UL 10C fire rated.

To order configured with indicator specify function and note indicator code as a special option.

**ANSI**  
**E0142**

**Schlage**  
**B563/B563F**

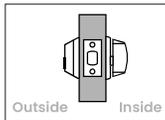


**Classroom deadbolt**

- Key cylinder outside; thumbturn inside
- Deadbolt thrown or retracted by key outside
- Thumbturn inside can only retract deadbolt
- When installed with optional lock status indicator trim, in unlocked state message displays on white background; in locked state on red background

To order configured with indicator specify function and note indicator code as a special option.

**Schlage**  
**B572/B572F**



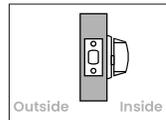
**Door bolt with coin turn**

- Coin turn outside; thumbturn inside
- Deadbolt thrown or retracted by thumbturn inside
- A flat screwdriver inserted in the coin turn outside can also retract deadbolt
- When installed with optional lock status indicator trim, in unlocked state message displays on white background; in locked state on red background

To order configured with indicator specify function and note indicator code as a special option.

**ANSI**  
**-**

**Schlage**  
**B580/B580F**



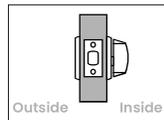
**Door bolt**

- No outside trim; thumbturn inside
- Deadbolt thrown or retracted by thumbturn inside

Note: 1-1/2" bore only.

**ANSI**  
**E0192**

**Schlage**  
**B581/B581F**



**Door bolt with trim**

- Blank plate outside; thumbturn inside
- Deadbolt thrown or retracted by thumbturn inside
- When installed with optional lock status indicator trim, in unlocked state message displays on white background; in locked state on red background

To order configured with indicator specify function and note indicator code as a special option.

**ANSI**  
**E01112**

## CYLINDERS

### Conventional cylinder

P6	6-pin cylinder (default) with Schlage logo
P	6-pin cylinder, keyed 5
Z	Everest SL cylinder, 7-pin (A2 pinning) with Schlage logo
L	Less conventional cylinder

### Full size interchangeable core (FSIC)

R	6-pin FSIC with Schlage logo
M	Everest SL FSIC, 7-pin (A2 pinning) with Schlage logo
J	Less FSIC
T	Refundable FSIC construction core

### Small format interchangeable core (SFIC)

G	7-pin SFIC (A2 pinning) with Schlage logo
B	Less SFIC
BDC	Disposable SFIC construction core
H	Refundable SFIC construction core

## Nomenclature – how to order

		EL	33	27A	-L	-16	-F	LBR	3'	US3	RHR
<b>CD</b>	Cylinder dogging - panic only										
<b>CX</b>	Chexit delayed egress										
<b>EL</b>	Electric latch retraction										
<b>HD-EL</b>	Electric latch retraction with hex dogging										
<b>QEL</b>	Quiet electric latch										
<b>HH</b>	Hurricane										
<b>LD</b>	Less dogging										
<b>LX</b>	Latchbolt monitoring										
<b>LX-LC</b>	Latch bolt monitor low current										
<b>LX-RX</b>	Latchbolt monitor / request to exit										
<b>LX-RX-LC</b>	Latchbolt monitor / request to exit low current										
<b>PL</b>	Pullman latch										
<b>PN</b>	Pneumatic										
<b>RX</b>	Request to exit										
<b>RX-LC</b>	Request to exit low current										
<b>RX2</b>	Request to exit double switch										
<b>SS</b>	Signal switch										
<b>AX</b>	Accessible device										
<b>WP-RX</b>	Waterproof request to exit										
<b>35A</b>	Series 35A-smooth										
<b>33A</b>	Series 33A-grooved										
<b>A</b>	Rim device										
<b>27A</b>	Surface mounted vertical rod device										
<b>47A</b>	Concealed vertical rod device										
<b>48A</b>	Concealed vertical rod device										
<b>49A</b>	Concealed vertical cable device										
<b>DT</b>	Dummy trim										
<b>EO</b>	Exit only										
<b>L</b>	Lever (classroom)										
<b>L-BE</b>	Lever-blank escutcheon (passage)										
<b>L-DT</b>	Lever-dummy trim										
<b>NL</b>	Night latch (key retracts latchbolt)										
<b>NL-OP</b>	Night latch cylinder assembly – optional pull										
<b>T</b>	Thumbturn										
<b>TL</b>	Turn Lever										
<b>T-BE</b>	Thumbturn-blank escutcheon										
<b>TL-BE</b>	Turn Lever-blank escutcheon (Passage)										
<b>XX</b>	Lever Style 06 standard Optional 01, 02, 02KN, 03, 03KN, 05, 06KN, 07, 12 (handed), 16, 17, 17KN, 18, ACC, AST, MER, STA										
<b>F</b>	Fire Exit Device - Rim, 27A, 47A, 48A, 49A Only										
<b>LBR</b>	Less Bottom Rod										
<b>LBL</b>	Less Bottom Latch										
<b>ALK</b>	Standard Alarm Kit										
<b>CON</b>	Allegion Connect										
<b>2'</b>	2' Device (2' Door Size) 27A, 47A or 49A only										
<b>3'</b>	3' Device (2' 4"– 3' Door Size)										
<b>4'</b>	4' Device (2' 10"– 4' Door size)										
<b>Finishes</b>	US3, US4, US10, US15 (35A only), US26, US26D, US26D-AM, US28, 313, 315										
<b>HR</b>	Handing – RHR or LHR										

# 33A/35A Rim device



1439 Roller ships standard, optional strikes available



299 Strike needs to be specified for Hollow Metal Frames

**33A and 35A** for all types of single and double doors with mullion, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2014 Grade 1. The 35A has a smooth mechanism case and the 33A has grooved case. The rim device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

33A/35A fits door stiles as narrow as 1 3/4" (44mm). Newly designed device has a one piece center case cover.

**Finishes** – US3, US4, US10, US15 (35A Only) US26, US26D, US26D-AM, US28, 313 and 315.

## Specifications

Device lengths	3' 2' 4" to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 13/16" (1011 mm) 39 11/16" (1008 mm) with Mullion
Center case dimensions	8 3/16" x 1 9/16" x 2 13/32" (208mm x 40mm x 62mm)
Mechanism case dimensions	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar Neutral – 3 13/16" (97 mm) Pushbar Depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44mm) – 2 1/4" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	<b>ALK</b> Alarm kit <b>CX</b> Chexit delayed exit <b>EL</b> Electric latch retraction <b>HD-EL</b> Electric latch retraction with hex dogging <b>QEL</b> Quiet electric latch retraction <b>RX</b> Request to exit, WP-RX waterproof option <b>LX</b> Latchbolt monitoring <b>LX-RX</b> Request to exit / latchbolt monitoring <b>RX-LC, LX-LC, LX-RX-LC</b> Low current option for RX, LX, LX-RX <b>SS</b> Signal switch <b>CON</b> Allegion Connect
Mechanical options	<b>AX</b> Accessible device
Miscellaneous options	<b>GBK</b> Glass bead kit <b>PN</b> Pneumatic <b>SG</b> Safety glow <b>SEC</b> Security screws <b>SNB</b> Sex bolts
Dogging feature	<b>Hex Dogging standard</b> <b>CD</b> Cylinder dogging <b>LD</b> Less dogging
Strikes	<b>1439</b> – Dull black <b>Optional strikes</b>

**QEL**  
**Quiet electric latch retraction**

- Bolt retraction via switch
- Converts exit door to push-pull operation

**AX**  
**Accessible device**

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

**CX**  
**Chexit delayed exit**

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

**ALK**  
**Alarm exit kit**

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

**EL**  
**Electric latch retraction**

- Enables remote unlatching
- Alternative to manual dogging

**RX**  
**Pushpad monitor switch**

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

**E (E360L)**  
**Electric lever trim**

- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

**CON**  
**Allegion Connectors**

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

**PN**  
**Pneumatic latch retraction**

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

**CD**  
**Cylinder dogging**

- Replaces hex key dogging
- Requires standard 1 1/4" mortise cylinder

Standard trim

	EO	DT	NL	NL-OP
<b>Product description</b>	33A-EO 35A-EO	33A-DT 35A-DT	33A-NL 35A-NL	33A-NL-OP 35A-NL-OP
<b>Trim description</b>	—	386DT	386NL	388
<b>Base size</b>	—	7 <sup>15</sup> / <sub>32</sub> " x 1 <sup>5</sup> / <sub>8</sub> " (190x41mm)	7 <sup>15</sup> / <sub>32</sub> " x 1 <sup>5</sup> / <sub>8</sub> " (190x41mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " (190x43mm)
<b>Grip size</b>	—	8 <sup>1</sup> / <sub>2</sub> " x 4 <sup>5</sup> / <sub>16</sub> " (216x110mm)	8 <sup>1</sup> / <sub>2</sub> " x 4 <sup>5</sup> / <sub>16</sub> " (216x110mm)	—
<b>Projection</b>	—	2 <sup>7</sup> / <sub>16</sub> " (62mm)	2 <sup>7</sup> / <sub>16</sub> " (62mm)	1" (25mm)
<b>ANSI function</b>	01	02	03	03
<b>Cylinder type</b>	—	—	Rim	Rim
<b>Handing</b>	—	—	Handed	—
<b>Optional trim</b>	—	x360L-DT x550DT x IVES 8190	—	x550DT x IVES 8190 10"

	L	L-BE	T	T-BE
<b>Product description</b>	33A-L 35A-L	33A-L-BE 35A-L-BE	33A-T 35A-T	33A-T-BE 35A-T-BE
<b>Trim description</b>	360L	360L-BE	360T	360T-BE
<b>Base size</b>	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)
<b>Grip size</b>	—	—	—	—
<b>Projection</b>	3" (76mm)	3" (76mm)	1 <sup>13</sup> / <sub>16</sub> " (46mm)	1 <sup>13</sup> / <sub>16</sub> " (46mm)
<b>ANSI function</b>	08 or 09 field selectable	—	11 or 12 field selectable	—
<b>Cylinder type</b>	1 <sup>1</sup> / <sub>4</sub> " Mortise	—	1 <sup>1</sup> / <sub>4</sub> " Mortise	—
<b>Handing</b>	Handed/Reversible	Handed/Reversible	—	—
<b>Optional trim</b>	—	E360L-BE	—	E360T-BE

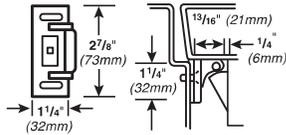
**Note:** 360L & 360T used on wood door require the 33A-WDA cover plate

Notes

# 33A/35A Strike/Stile information

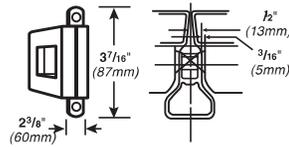
## Strikes for rim devices

299



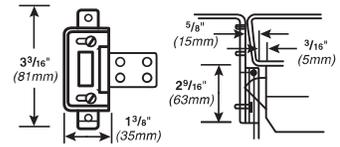
Projection 13/16" (21mm)

1408



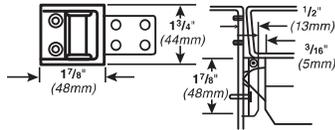
One per pair of doors - use with 5754 Mullion only

1410 - Integral stop



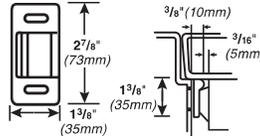
Projection 1/2" (13mm)

1439



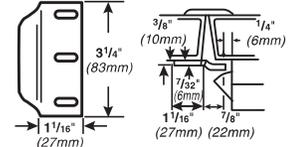
Projection 1/2" (13mm)

1606



Projection 3/8" (10mm)

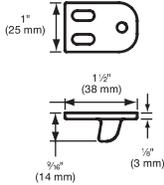
1609



For rim/vertical rod combination -not fire rated

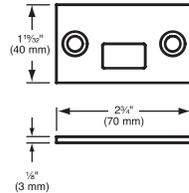
## Strikes for vertical cable devices

249 - Top strike



Projection 9/16" (14mm)

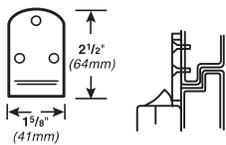
349 - Bottom strike



Projection 1/8" (3mm)

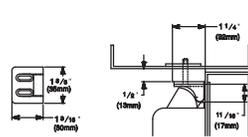
## Strikes for vertical rod devices

260U-Flush transom only



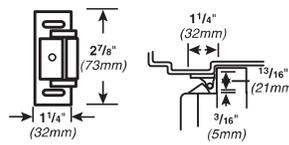
Projection 3/8" (10mm)

266



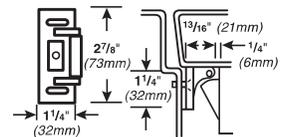
Projection 1 1/4" (32mm)

299



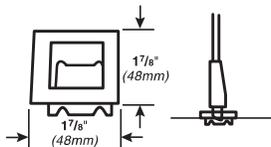
Projection 13/16" (21mm)

299F



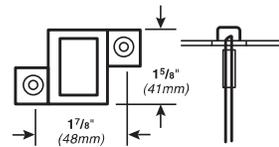
Projection 13/16" (21mm)

304L



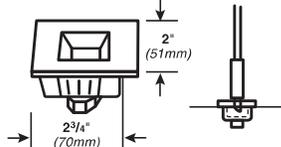
Mortise 13/16" (21mm)

338



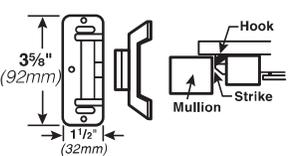
Mortise 5/8" (16mm)

385A



Mortise 2 1/2" (64mm)

499F



Projection 13/16" (21mm)

## 33A/35A Mechanical options

### Dogging options

#### LD Less dogging

Less Dogging is available in all 33A/35A Panic Exit devices to remove the dogging option.

**To order, specify:** 1. Use prefix LD, example LD33AL

#### CD Cylinder dogging

Cylinder dogging is available on all 33A/35A Panic Exit devices to replace the standard hex key dogging. Unit requires a standard 1<sup>1</sup>/<sub>4</sub>" (32mm) mortise cylinder with a straight cam (Schlage Cam B502-191 reference).

**To order, specify:** 1. Use prefix, CD, example CD33AL

#### CDK Cylinder dogging kit

For field conversion, a cylinder dogging conversion kit is available. Cannot be added to fire exit hardware.

**Order:** 33A/99CDK or 35A/98CDK, specify finish



#### Dummy pushpad

The 330 dummy pushpad is designed as a companion unit for all 33A devices. The 350 dummy pushpad is a companion unit for all 35A devices. The pushpad is rigid or nonfunctioning. A push/pull operation can be accomplished by using 386DT, 360L-DT, 550DT, 392-6 trim or any Ives Pull.

The 330/350 can be equipped with a functional pushpad and will accommodate an RX switch. Specify RX-330. May also be equipped with the RX2, double RX switch. Specify RX2-330

#### To order, specify:

1. 330 or 350
2. Size 3' or 4' (914mm or 1219mm)
3. Finish, US3, US4, US10, US26, US26D, US28, 313AN, 315AN, 350 Only US32D.

# 33A/35A Finishes

## Finishes\*

	Color	US number	BHMA number
	Chromium, polished	US26	625
	Anodized, aluminum	US28	628
	Chromium, dull	US26D	626
	Brass, polished	US3	605
	Brass, dull	US4	606

	Color	US number	BHMA number
	Bronze, dull	US10	612
	Satin nickel Available for 35A ONLY	US15	619
	Satin stainless steel	US32D	630
	Duranodic dark bronze	313	710
	Black, painted (not flat powder)	SPBLK	693
	Flat Black	US19/ 315	622/711
	Aged bronze	—	643e

## Special finishes

	Color	US number	BHMA number
	Satin chrome, Antimicrobial	US26D-AM	626-AM
	Satin stainless steel, antimicrobial	US32D-AM	630-AM

### Pushpad Options — Knurled

Embossed "Push"

Braille (Caution-Stairwell), satin stainless steel only

RSS – (Emergency Exit – Push to open and sound alarm) – Red Silkscreen lettering on US32D

\* NOTE: Durable powder coated finishes available at specific special request. PLEASE CONTACT FACTORY.

## Mechanical options

### Push pads

#### Dummy push pad



The 330 dummy push pad is designed as a companion unit for all 99 devices. The 350 dummy push pad is a companion unit for all 98 devices. The push pad is rigid or nonfunctioning. A push/pull operation can be accomplished by using 990DT, 996DT trim or any Ives Pull.

The 330/350 can be equipped with a functional push pad and will accommodate an RX or WP-RX switch. Specify RX-330.

May also be equipped with the RX2, double RX switch.

#### To order, specify:

1. 330 or 350.
2. Size 3' or 4' (914mm or 1219mm)
3. Finish – 605, 606, 612, 625, 626, 628, 710 and 622/711. (630 – 350 only)
4. Specify RX, WP-RX or RX-2 if desired.

#### Safety glow (SG)



Self-illuminating touchpad defines the location of the exit door in dark or smoke-filled area. The safety glow coating is a special powder coat finish that glows brightly during low or no light conditions. This coating was developed to meet MEA standards where luminescent exit door markings are required in commercial facilities. There are no batteries or electronics, the coating is charged when exposed to light.

**To order, specify:** Suffix SG, EL 9927L-SG

#### Red silk screen (RSS)



Red silkscreen lettering on touchpad trim. - "Emergency Exit Only, Push To Open And Sound Alarm". This comes standard on RSS devices.

**To order, specify:** Suffix RSS, 9927L-RSS RHR

#### Braille, embossed and knurled touchpads



\* Image shown is a special order.

Braille touchpad embossed with the standard message "CAUTION STAIRWELL" in braille and raised letters provides assistance to persons with impaired vision. Letters are 1/2" (13mm) high and braille is #2, raised height is 3/32" (2mm). Other messages are available on special order, limited to 20 characters per line.\* **To order, specify:** Suffix BR, EL9927L-BR.

Embossed touchpad is embossed with the word "PUSH". **To order, specify:** Suffix EMB, EL9927L-EMB.

Knurled touchpad is to provide warning to persons with impaired vision. **To order, specify:** Suffix PBKN, EL9927L-PBKN.

\*Consult factory for availability.

# Nomenclature – how to order

Prefix	Device series/type		Trim/rating		Suffix/finish		Door width	Handing	Less bottom rod/cable	Trim options/finish	Lever style	Accessories	Other information
1	2	3	4	5	6	7	8	9	10	11	12	13	14
QEL	- 98	- 27	- L	- F	-	- 626	- 3'	- RHR	- LBR	- 996/626	- 299F/06	- SNB	- HM

## Detail

### 1 Prefixes

<b>None</b>	Standard
<b>AX</b>	Accessible device
<b>CD</b>	Cylinder dogging - panic only
<b>CDSI</b>	Cylinder dogging with security indicator
<b>CI</b>	Cylinder dogging indicator
<b>CD-CX</b>	Chexit cylinder dogging
<b>CX</b>	Chexit
<b>DI</b>	Dogging indicator
<b>E</b>	Electric locking mortise/lever
<b>EL</b>	Electric latch retraction
<b>ESL</b>	Emergency secure lockdown
<b>HDSI</b>	Hex dogging with security indicator
<b>HH</b>	Hurrican device
<b>LD</b>	Less dogging
<b>LX</b>	Latch bolt monitoring
<b>LX-LC</b>	Latch bolt monitoring, low current
<b>LX-RX</b>	Latch bolt monitoring, request to exit
<b>LX-RX-LC</b>	Latch bolt monitoring, request to exit low current
<b>PL</b>	Pullman latch
<b>PN</b>	Pneumatic latch retraction
<b>QEL</b>	Quiet electric latch retraction
<b>QM</b>	Quiet mechanical
<b>RX</b>	Request to exit
<b>RX2</b>	Double request to exit
<b>RX-AUX</b>	Request to exit, auxiliary
<b>RX-LC</b>	Request to exit, low current
<b>SD</b>	Special dogging -panic only
<b>SS</b>	Signal switch
<b>WP-RX</b>	Waterproof request to exit
<b>WS</b>	Windstorm (FEMA rated) surface vertical rod device
<b>XP</b>	Heavy protection - rim

### 2 Device series

<b>98</b>	Series 98-smooth
<b>99</b>	Series 99-grooved

### 3 Device type

<b>None</b>	Rim device
<b>27</b>	Surface mounted vertical rod device
<b>47</b>	Concealed vertical rod device
<b>47WDC</b>	Concealed vertical rod wood door device
<b>48</b>	Concealed vertical rod device
<b>49</b>	Concealed vertical cable device
<b>50WDC</b>	Concealed vertical cable wood door device
<b>52</b>	Rim device with remote trim input (pool exit hardware)
<b>57</b>	Three-point latch device
<b>75</b>	Mortise lock device

### 4 Trim functions

<b>EO</b>	For AD or CO locks, order the panic as Exit Only (EO)
<b>DT</b>	Dummy trim
<b>EO</b>	Exit only
<b>HL</b>	Hospital pull trim
<b>K</b>	Knob
<b>K-BE</b>	Knob - blank escutcheon
<b>K-DT</b>	Knob, rigid - dummy trim
<b>K-NL</b>	Knob, rigid - night latch
<b>L</b>	Lever (classroom)
<b>L-BE</b>	Lever - blank escutcheon
<b>L-DT</b>	Lever, rigid - dummy trim
<b>L-NL</b>	Lever, rigid - night latch
<b>NL</b>	Night latch
<b>NL-OP</b>	Night latch cylinder assembly, optional pull
<b>TL</b>	Turn lever
<b>TL-BE</b>	Turn lever - blank escutcheon
<b>TP</b>	Thumbpiece
<b>TP-BE</b>	Thumbpiece - blank escutcheon

### 5 Rating

<b>F</b>	Fire exit hardware
<b>Blank</b>	Panic exit hardware

### 6 Suffix

<b>-2</b>	Double cylinder (rim and mortise only)
<b>-2SI</b>	Double cylinder with security indicator (rim only)
<b>CON</b>	Connectors
<b>WH</b>	Weep holes

### 7 Finish

<b>605</b>	Bright Brass
<b>606</b>	Satin Brass
<b>612</b>	Satin Bronze
<b>619</b>	Satin Nickel
<b>622/711</b>	Matte Black/Matte Black, Anodized
<b>625</b>	Bright Chrome
<b>626</b>	Satin Chrome
<b>626AM</b>	Satin Chrome, Antimicrobial
<b>628</b>	Aluminum, Anodized
<b>630</b>	Satin Stainless
<b>630AM</b>	Satin Stainless, Antimicrobial
<b>643e</b>	Aged Bronze
<b>693</b>	Black Paint
<b>710</b>	Dark Brown, Anodized

### 8 Door width Door thickness

<b>3'</b>	Standard default	1 3/4"	Standard
<b>4'</b>		2 1/4"	Optional
<b>2'</b>	Vertical only		

### 9 Handing

<b>LHR</b>	Left hand reverse
<b>RHR</b>	Right hand reverse

### 10 Less bottom rod/cable

<b>LBR</b>	Less bottom rod
<b>LBL</b>	Less bottom latch
<b>LBR-AFL</b>	LBR with fire pin
<b>LBL-AFL</b>	LBL with fire pin

### 11 Trim options/finish

See trim options/finish for each device type

### 12 Lever style

<b>06</b>	Standard default (optional levers available)
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### 13 Accessories

<b>CYL</b>	Cylinder
<b>GBK</b>	Glass bead kit
<b>SEC</b>	Security screws
<b>SLM</b>	SLM blocking
<b>SNB</b>	Sex bolts

### 14 Other information

#### Touchbar options

<b>BRaille</b>	Vision impaired touchpad, raised letter, and braille
<b>PUSH</b>	Touchbar trim embossed 'PUSH'
<b>RSS</b>	Red silk-screened lettered touchbar trim
<b>KN</b>	Knurled touchbar
<b>SG</b>	Safety glow

#### Miscellaneous

<b>CE</b>	CE labeled
<b>LCP</b>	Less cover plate
<b>IOWDA</b>	#IOWDA cover plate
<b>RAT REL</b>	Ratchet release assy

#### Door material

<b>AL</b>	Aluminum door
<b>HM</b>	Hollow metal
<b>WD</b>	Wood door
<b>CP</b>	Composite door
<b>INS2</b>	Insulclad - 1/2"
<b>INS4</b>	Insulclad - 1/4"
<b>SC</b>	Steelcraft, HH device only

#### Door application

<b>D</b>	Double egress
<b>P</b>	Pair of doors
<b>S</b>	Single door

Note: Not all options are listed. See the specific device type pages for complete options available.

## Device types

# 9827-F/9927-F Surface mounted vertical rod fire device

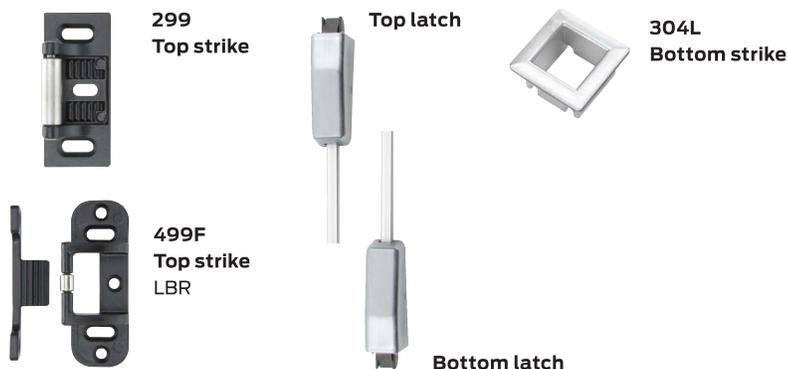


9827-F/9927-F Fire exit surface mounted vertical rod device are certified to ANSI/BHMA A156.3 2014, Grade 1 and UL listed for fire exit hardware. See page 67 for detailed information on UL fire exit hardware label and door opening size information. The 9827-F device has a smooth mechanism case and the 9927-F device has a grooved case. The surface vertical rod device is non-handed except when the following device options are used: SS (signal switch), and WS (tornado/hurricane). Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors. Rod and latch guards can be used on hollow metal or tin clad composite fire doors.

### Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2'            2' (610 mm) Door size 3'            2'4" to 3' (711mm to 914 mm) Door size 4'            2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 5/8" (1006 mm)
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking anti-friction top and bottom bolt, 5/8" (16mm) throw
Door undercut	1/4" (7mm) recommended
Top and bottom latch case	4 1/2" x 2 1/8" x 1 1/2" (114mm x 54mm x 38mm)
Vertical rods	1/2" square tubing, standard rods accommodate 7' (2134mm) doors. Top rod length: 34 15/16" (887mm); Bottom rod length: 31 1/2" (794mm). Extension rods available in 3' (914mm) for doors over 7' One piece top rod is available for 8' (2438mm) and 10' (3048mm) doors
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick metal or wood doors, and 325 SNB for top and bottom latch (Optional 425 SNB available)

### Accessories



### Features and options

#### Electrified options

<b>LX</b>	Latch bolt monitor switch
<b>RX</b>	Request to exit
<b>RX2</b>	Double request to exit
<b>E</b>	Electric locking and unlocking trim
<b>EL</b>	Electric latch retraction
<b>ESL</b>	Emergency secure lockdown
<b>QEL</b>	Quiet electric latch retraction
<b>SS</b>	Signal switch
<b>CX</b>	Chexit delayed exit
<b>ALK</b>	Alarm exit kit
<b>WP-RX</b>	Waterproof request to exit
<b>CON</b>	Allegion Connect

#### Mechanical options

<b>-2</b>	Double cylinder
<b>-2SI</b>	Double cylinder with security indicator
<b>AX</b>	Accessible device (LBR only)
<b>GBK</b>	Glass bead kit
<b>LBR</b>	Less bottom rod
<b>PL</b>	Pullman latch
<b>PN</b>	Pneumatic latch retraction
<b>QM</b>	Quiet mechanical
<b>SNB</b>	Sex bolts
<b>SEC</b>	Security screws
<b>SLM</b>	Special laminate material blocking
<b>WH</b>	Weep holes
<b>WS</b>	Tornado and hurricane tested

#### Dogging option

No mechanical dogging;  
QEL options available

#### Strikes

**Top – 299F** – (499F LBR) Dull black  
**Bottom – 304L** – Unfinished

## Trim options

### 996 trim



#### Trim description

Nomenclature	996EO	996L*	996L-NL*	996L-BE*	996L-DT
Trim function	Exit only plate	Lever	Lever-night latch	Lever-blank escutcheon	Lever-dummy trim
Function description	Exit only plate	Key locks and unlocks	Key retracts latch bolt	Always operable, no cylinder	Pull when dogged
ANSI function	01	08	03	14	02

#### Device compatibility

98/99 Rim/Rim-F	■	■	■	■	■
XP98/XP99 Rim/Rim-F	■	■	■	■	■
98/9927/27-F	■	■	■	■	■
98/9947/47-F	■	■	■	■	■
98/9947WDC/WDC-F	■	■	■	■	■
98/9948/48-F	■	■	■	■	■
98/9949/49-F	■	■	■	■	■
98/9950WDC/50WDC-F	■	■	■	■	■
98/9952†	†	†	†	†	†
98/9957/57-F	■	■	■	■	■
98/9975/75-F	■	■	■	■	■

#### Dimensions

Escutcheon plate size	2 3/4" x 10 3/4" x 27/32" (70 x 273 x 21mm)				
Pull center to center	—	—	—	—	—
Projection	—	2 7/8" (73mm)	2 7/8" (73mm)	2 7/8" (73mm)	2 7/8" (73mm)

#### Handing

—	Handed/reversible	Handed/reversible	Handed/reversible	Handed/reversible
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#### Cylinder type

Rim or vertical device	—	Rim	Rim	—	—
Mortise lock device	—	1 1/4" mortise	1 1/4" mortise	—	—

\* Specify R/V if used for rim and vertical devices, M for mortise device. Example, 996L-R/V or 996L-M.

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

## Accessibility options

### Accessible device (AX)

The AX device is a UL certified exit device designed to meet the progressive requirements of the California Building Code for accessible openings. This device meets the 5 lbs of operating force requirement called for in chapter 11B-309.4. The AX device also exceeds ANSI/BHMA requirements. Available devices include: AX98/99, AX98/99-F, AX98/9927LBR, AX98/9927-F LBR, AX98/9949LBL, AX98/9949-FLBL, AX98/9949-F LBLAFL, AX98/9950LBL, AX98/9950-FLBL. Additionally, all AX devices will be shipped with a new UL label clearly stating "Meets California building Code (2013) Sec. 11B-309.4" and an "AX" identifier label on device center case. See images below for reference.



## Latches

### Less bottom rod, panic and fire rated (LBR)

LBR option is available, using a spring loaded auxiliary latch bolt installed in the lower door edge. When exposed to heat the auxiliary latch bolt releases, keeping the doors in alignment and closed during a fire. UL listed 3 hours on hollow metal doors double egress, 90 minute swinging same direction, and 20 minutes wood doors (consult wood door manufacturer). Fits door stiles as narrow as 3 5/8".

LBR devices must be ordered in pairs or must be used in conjunction with an approved automatic or constant latching flush bolt.

### Pullman latch (PL)

When PL is specified the standard latches are replaced with pullman style latches. Pullman latches are always extended and are most commonly used in conjunction with electric strikes and LBR-less bottom rod application. Not available with Fire rated devices.

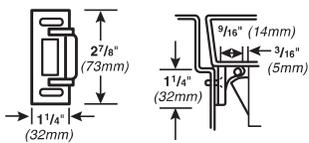
Not recommended where security is of the utmost importance since latches do not deadlock.

## Accessories

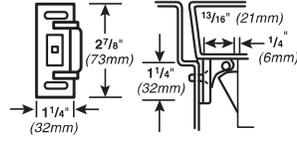
## Strikes

## Strikes for rim devices

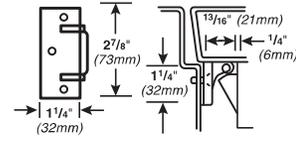
264

Projection  $\frac{9}{16}$ " (14mm)

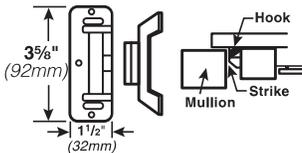
299

Projection  $\frac{13}{16}$ " (21mm)

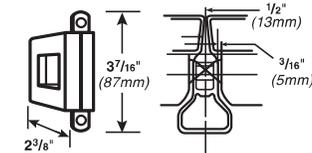
299F

Projection  $\frac{13}{16}$ " (21mm)

499F

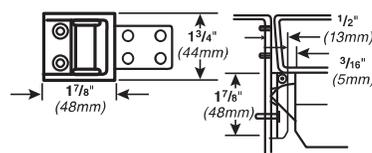
Projection  $\frac{15}{16}$ " (24mm)

1408

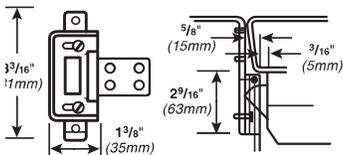


One per pair of doors

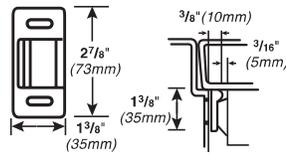
1439-Blade stop

Projection  $\frac{1}{2}$ " (13mm)

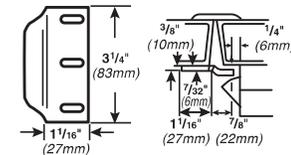
1410-Integral stop

Projection  $\frac{1}{2}$ " (13mm)

1606

Projection  $\frac{3}{8}$ " (10mm)  
(Panic devices only)

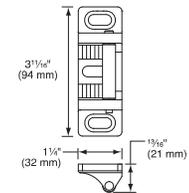
1609



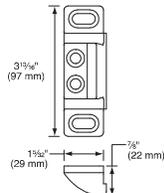
- Requires coordinator
- For panic exit application only, not fire rated

## XP Strikes for rim devices

909

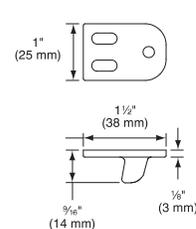
Projection  $\frac{13}{16}$ " (21mm)

954

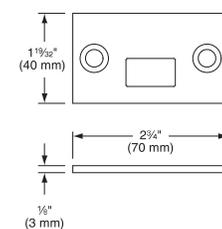
Projection  $\frac{7}{8}$ " (22mm)  
(For fire rated double door applications)

## Strikes for vertical cable devices

249 - Top strike

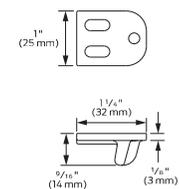
Projection  $\frac{9}{16}$ " (14mm)

349 - Bottom strike

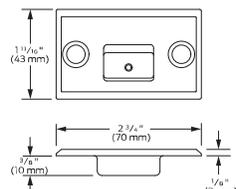
Projection  $\frac{1}{8}$ " (3mm)

## Strikes for 98/9950WDC devices

150

Projection  $\frac{9}{16}$ " (14mm)

450

Projection  $\frac{1}{8}$ " (3mm)

# Strikes

## Strikes for vertical rod devices

248L-4	260U-Flush transom panic only 260U-F-Flush transom fire only	299	299F	499F
Projection 3/8" (10mm)	Projection 3/8" (10mm)	Projection 13/16" (21mm)	Projection 13/16" (21mm)	Projection 15/16" (24mm)
304L	338	385A	283	
				For use with WDC devices when used with wood frames
Projection 13/16" (21mm)	Mortise 5/8" (16mm)	Mortise 2 1/2" (64mm)		

## Strikes for mortise lock devices

575	575-2	576A	576B
For use on 1 3/4" (44mm) or 2 1/4" (57mm) Single door and 2 1/4" (57mm) double door with coordinator.	For use on 1 3/4" (44mm) thick double door with coordinator and astragal.	Open back strike for 1 3/4" (44mm) thick double doors without coordinator.	Open back strike for 2 1/4" (57mm) thick double doors without coordinator.
		<ul style="list-style-type: none"> <li>Not for use with astragals</li> <li>For use on wood doors, contact door manufacturer</li> </ul>	<ul style="list-style-type: none"> <li>Acceptable for 90 minute pair of hollow metal doors</li> </ul>

# Cylinders

Cylinders are not furnished with device or trim and must be specified when ordering. Refer to trim pages for cylinder type.

**Mortise — 3215**  
(Schlage 20-001, L583-477 cam)

**Dogged (inverted) cam**

For CD, CDSI, CI and SD

**Rim — 3216**  
(Schlage 20-022)

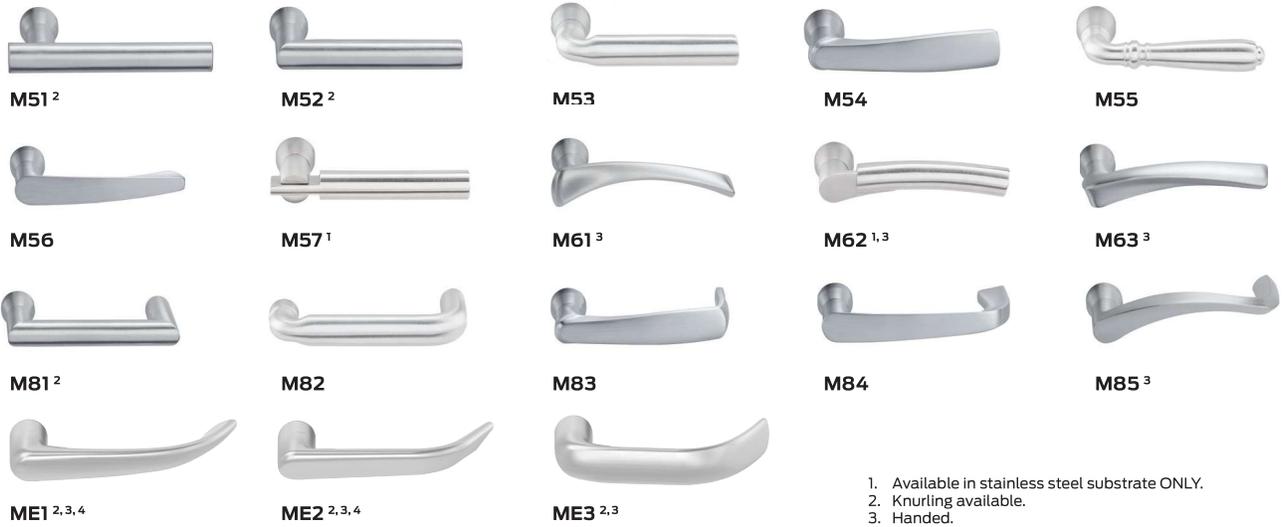
**Undogged cam (standard operations)**

For 2, -2SI, ALK, CX, DE5300, RCM, SS and all 98/99 Series mortise cylinder trims and controls

**Additional information**

Lever styles and finishes

**Decorative levers**



- 1. Available in stainless steel substrate ONLY.
- 2. Knurling available.
- 3. Handed.
- 4. Designed with Gensler as product design consultant.

**Standard levers**



- 1. Available in Stainless Steel - specify SS when ordering.
- 2. Knurling available.
- 3. Handed.

Finish options*						
Color	Bright Brass	Satin Brass	Satin Bronze	Satin Nickel	Matte Black/Anodized	Bright Chrome
ANSI/BHMA number	605	606	612	619	622/711	625

Finish options*						
Color	Satin Chrome	Aluminum, anodized	Satin Stainless	Aged Bronze	Black Paint	Dark Brown, Anodized
ANSI/BHMA number	626/626AM†	628	630/630AM†	643e	693	710

\* Durable powder coated finishes available at special request. Please contact factory.  
 † AM = Antimicrobial

# 4040XP Series



The 4040XP Series is LCN's most popular door closer—and for good reason. This durable non-handed, surface-mounted heavy-duty closer, is designed for the most demanding high-use-and-abuse applications as well as for easy installation and maintenance.

## Features

<b>Certifications</b>	Grade 1 - ANSI A156.4, UL 10C, ADA, 100 hour salt spray, meets BAA - Buy American Act	<b>Cover</b>	<ul style="list-style-type: none"> <li>Redesigned snap-fit plastic cover (PC) with improved retention fit, standard</li> <li>Metal Cover (MC), optional</li> </ul>
<b>Body construction</b>	<ul style="list-style-type: none"> <li>Patent-pending positive stop</li> <li>Patent-pending regulation valve indicators</li> <li>Independent speed adjustments</li> <li>QR code for instructions and support</li> <li>Cast iron body</li> <li>Full complement bearing</li> <li>1 1/2" diameter piston</li> <li>Double heat treated pinion journal</li> </ul>	<b>Fasteners</b>	Self reaming and tapping screws (SRT)
<b>Fluid</b>	All weather liquid X fluid	<b>Mounting</b>	Hinge (pull side), top jamb (push side), parallel arm (push side)
<b>Handing</b>	Non-handed	<b>Arms</b>	Regular arm
<b>Templating</b>	Peel-n-Stick templates - 2 1/4" x 5" mounting hole pattern	<b>Finishes/colors/ powder coat</b>	<ul style="list-style-type: none"> <li>622 Matte black</li> <li>689 Aluminum</li> <li>690 Statuary bronze</li> <li>691 Light bronze</li> <li>693 Black</li> <li>695 Dark bronze</li> <li>696 Brass</li> <li>Custom colors optional</li> </ul>
<b>Size</b>	Adjustable spring size 1-6, includes LCN Green Dial		<ul style="list-style-type: none"> <li>Optional SRI primer - powder coat only</li> <li>Optional plated finishes</li> </ul>
<b>Warranty</b>	30 years		

**Special templates** | Customized installation templates or products may be available to solve non-standard applications. Contact LCN Product Support for assistance.

Mounting	Finish	Cover	Cylinder	Arm function*
Hinge (pull) side	Plastic	Non-handed	120°	Regular (double)
Top jamb (pull)	Plated	Non-sized	120°	Standard (single)
Top jamb (push)	Metal	Accessibility	180°	Hold Open
Parallel arm		Delay Action ***	110°	Fusible Link
Stop face		CYLAV/B**	110°	EDA/HEDA
				CUSH/HCUSH
				SCUSH/SHCUSH
				Double Egress

■ 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 Back Check.  
 \*\*\* Delay feature incorporates standard 4040 cylinder (not XP).

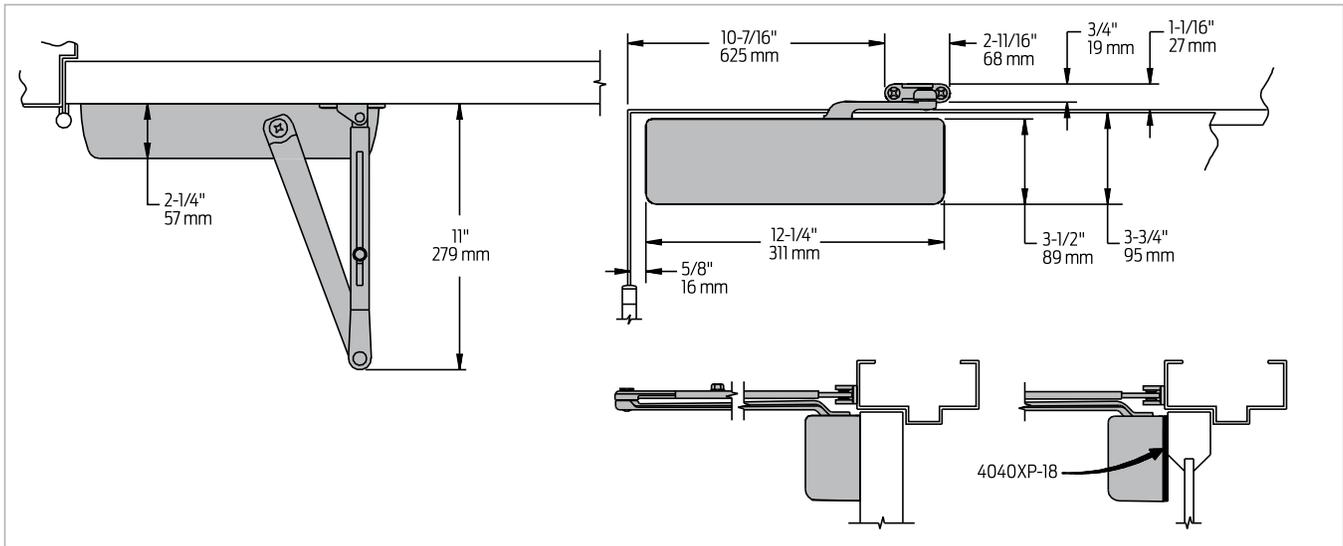
## Adjustments

There are several design features that make installation or adjustment of the 4040XP easier and more intuitive.

- **LCN Green Dial** provides a visual reference of the spring power setting, taking the guesswork out of spring power adjustments.
- **Additional adjustments** can be made to the back check, main, and latch regulation valves which are labeled for easy identification.
  - Labels correspond to a diagram with door swing zones located on the closer body.
- **Patent-pending positive stop feature** on all regulation valves. The improved staking feature prevents the screw from being backed out and causing accidental damage to the product.
  - The patent-pending regulation valve indicators provide visual color indicators of how far a screw is backed out—the more visible the component, the faster the speed.
  - This makes adjustments simpler and more intuitive.
- **New QR code** that provides on-the-spot access to interactive installation and maintenance instructions and tech support.

## Mounting details

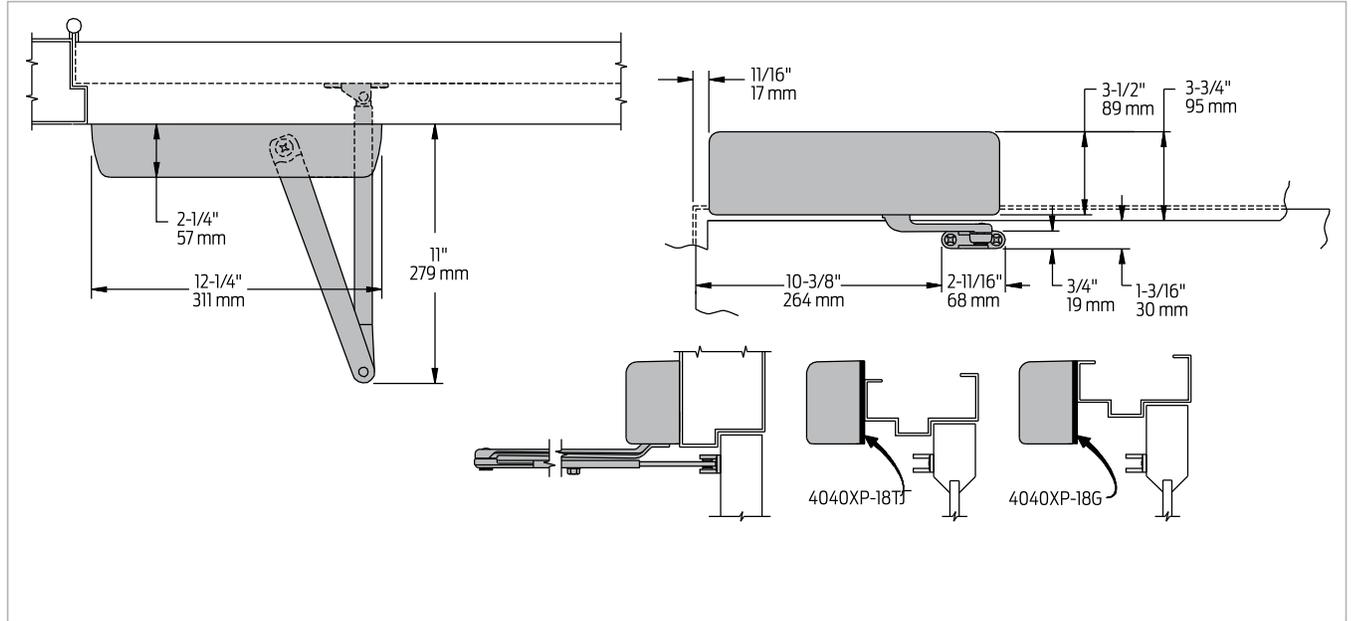
### Hinge (pull) side mounting



Butt hinges	Should not exceed 5" (127 mm) in width
Auxiliary stop	Recommended at hold open point or where a door cannot swing beyond 120°
Reveal	Should not exceed 3/4" (19 mm) for Regular or Hold Open Arm
Top rail	Less than 3 3/4" (95 mm) requires plate, 4040XP-18; Plate requires 2" (51 mm) minimum
Clearance	2 3/8" (60 mm) behind door required for 90° installation
Delay action	<ul style="list-style-type: none"> <li>■ Incorporates standard 4041 cylinder</li> <li>■ Delays closing from 120° to 70°</li> <li>■ Delay time adjustable up to approximately 1 minute</li> </ul>
Maximum opening	<ul style="list-style-type: none"> <li>■ Templating allows up to 120°</li> <li>■ Hold open points 90° up to 120° with Hold Open Arm</li> </ul>

## Mounting details

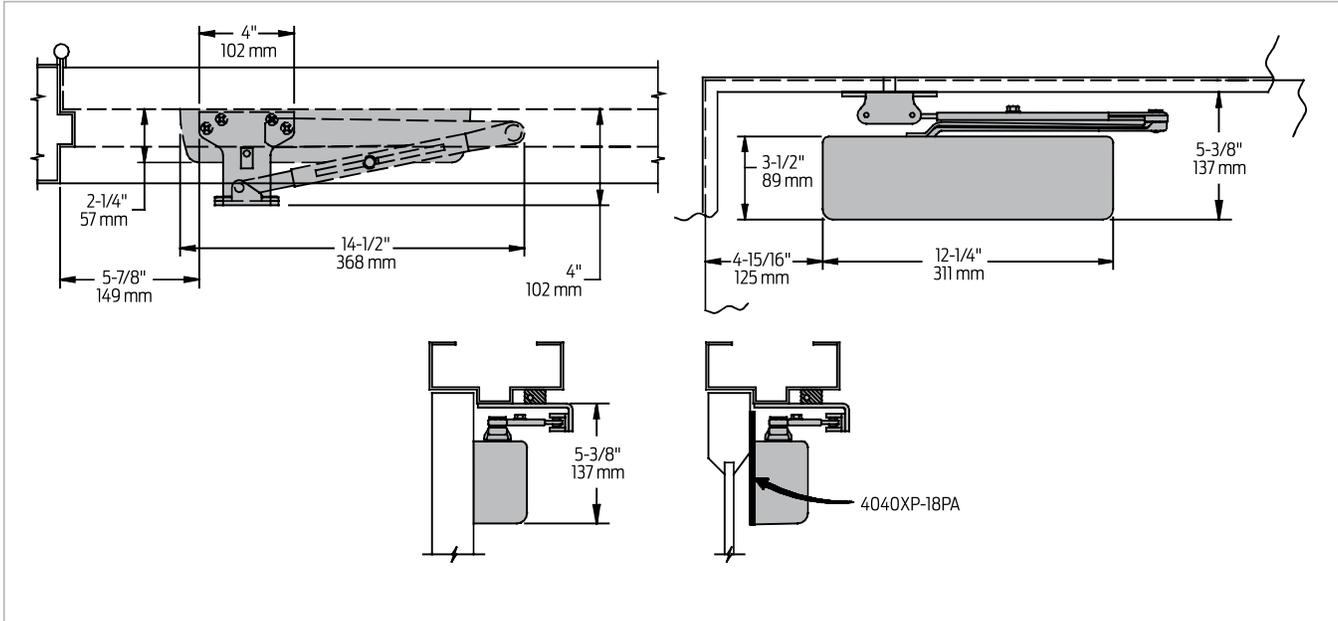
### Top jamb (push) side mounting



<b>Butt hinges</b>	Should not exceed 5" (127 mm) in width		
<b>Auxiliary stop</b>	Recommended at hold open point or where a door cannot swing beyond 120°		
<b>Reveal</b>	<b>Arm type</b>	<b>Reveal</b>	<b>Max opening</b>
	Regular Arm	2 9/16"	Up to 120°
	Long Arm	4 13/16"	Up to 120°
	Hold Open Arm	2 9/16"	Up to 120°
	Hold Open Long Arm	8"	Up to 120°
<b>Top rail</b>	<ul style="list-style-type: none"> <li>Requires 1 1/4" (32 mm) minimum</li> <li>2 1/4" (57 mm) minimum with closer on plate, 4040XP-18TJ</li> <li>3" (76 mm) minimum with closer on plate, 4040XP-18G</li> </ul>		
<b>Head frame</b>	<ul style="list-style-type: none"> <li>Less than 3 1/2" (89 mm) requires plate, 4040XP-18TJ</li> <li>With flush ceiling, use plate, 4040XP-18G. Either plate requires 1 3/4" (44 mm) minimum</li> </ul>		
<b>Maximum opening</b>	<ul style="list-style-type: none"> <li>Templating allows up to 120°</li> <li>Hold open points 85° up to 120° with Hold Open Arm</li> </ul>		
<b>Delay action</b>	<ul style="list-style-type: none"> <li>Incorporates standard 4041 cylinder</li> <li>Delays closing from 120° to 70°</li> <li>Delay time adjustable up to approximately 1 minute</li> </ul>		

## Mounting details

### Parallel arm (push) side mounting



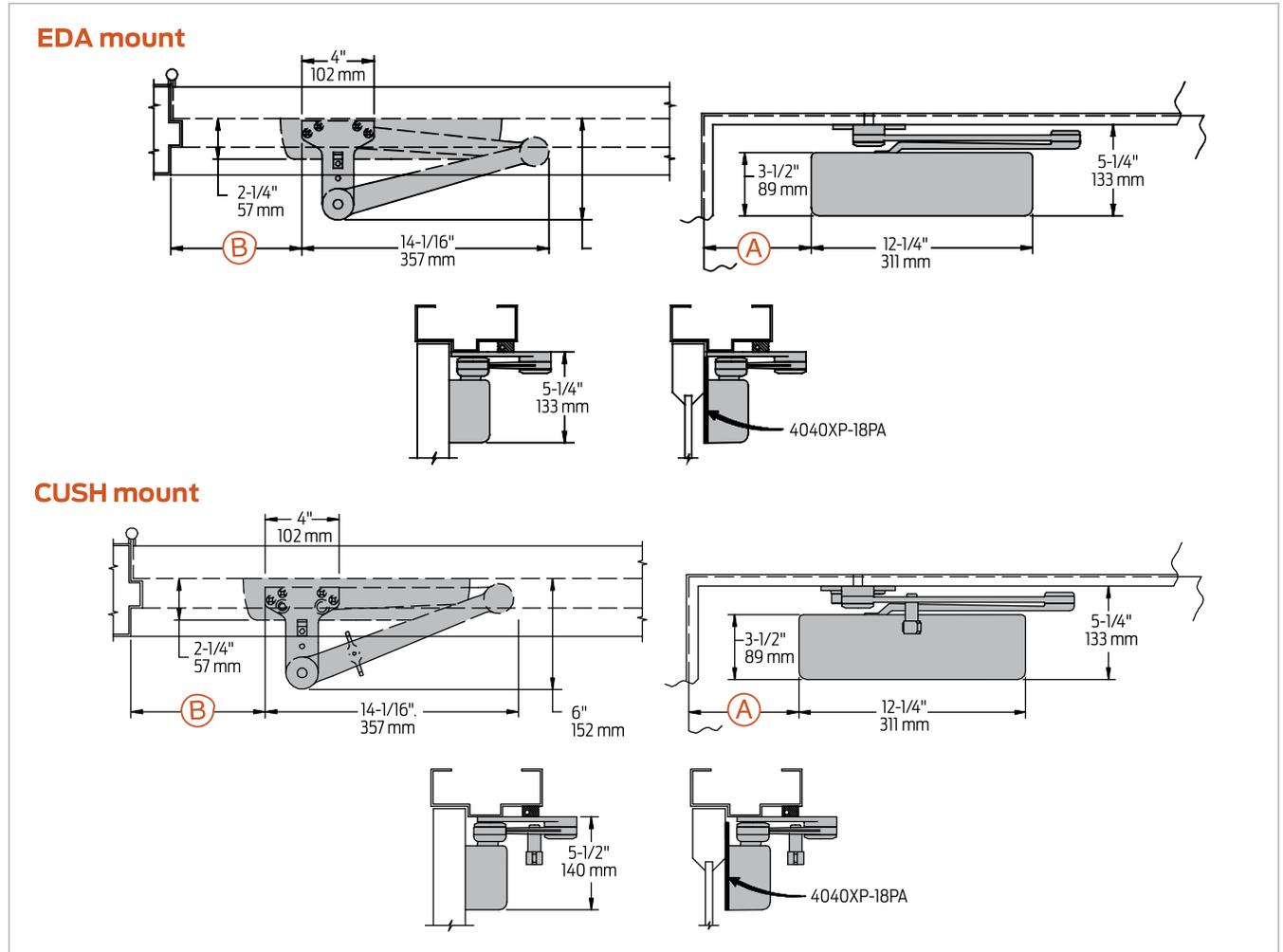
Butt hinges	Should not exceed 5" (127 mm) in width
Auxiliary stop	Recommended at hold open point, where the door cannot swing 180°, or where Cush-n-Stop Arm is not used
Reveal	Should not exceed 7/32" (6 mm)
Top rail	Less than 5 3/8" (137 mm) measured from the stop requires plate, 4040XP-18PA. Plate requires 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"> <li>4040XP-62PA shoe is 4" (102 mm) from door face</li> <li>EDA shoe projects 5 1/2" (140 mm) from door face</li> <li>CUSH shoe projects 6" (152 mm) from door face</li> </ul>
Delay action	<ul style="list-style-type: none"> <li>Incorporates standard 4041 cylinder, without XP cylinder</li> <li>Delays closing from 120° to 70°</li> <li>Delay time adjustable up to approximately 1 minute</li> </ul>
Maximum opening	<ul style="list-style-type: none"> <li>180° opening/hold open points with all except CUSH arms</li> <li>110° opening/hold open with CUSH arms</li> </ul>

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

# Mounting details

## EDA and CUSH mounting



<b>Clearance</b>	4040XP-62EDA is 5 1/2" (140 mm) from door face; 6" (152 mm) for CUSH	
<b>Head frame</b>	Flush or rabbeted requires CUSH flush panel adapter, 4040XP-419	
<b>CUSH Arm</b>	Requires shoe support, 4040XP-30 for fifth screw anchorage where reveal is less than 3 1/16" (78 mm)	
<b>Delay action</b>	<ul style="list-style-type: none"> <li>Incorporates standard 4041 cylinder, without XP cylinder</li> <li>Delays closing from maximum opening to: 115° with 180° template, 95° with 110° template, 85° with 100° template, 75° with 90° template (delay time adjustable up to approximately 1 minute)</li> </ul>	
<b>Maximum opening</b>	EDA arm can be templated for points at:	CUSH arms can be templated for opening/hold open point at:
	110°:    A = 6 3/8" (162 mm) B = 7 3/4" (197 mm)	85°:     A = 7 15/16" (202 mm) B = 9 1/8" (232 mm)
	or 180°: A = 2 7/8" (73 mm) B = 4 1/4" (108 mm)	90°:     A = 7 3/16" (183 mm) B = 8 1/2" (216 mm)
	Hold open points up to maximum opening with HEDA arm	100°:    A = 6 1/16" (154 mm) B = 7 1/4" (184 mm)
		or 110°: A = 5 1/16" (129 mm) B = 6 3/8" (162 mm)

- Notes:
- 4040XP Series closers ordered with EDA or CUSH arms include 4040XP-201 fifth hole spacer to support the shoe
  - SCUSH stop points are approximately 5° more than templated stop point
  - Hold open at templated stop points

## Accessories

### Cylinders



**4040XP-3071  
Cast iron cylinder  
assembly (CYL)**

- Non-handed
- Heavy duty



**4041-3071 DEL  
Delay Action Cylinder  
(CYLDEL)**

- Used for delayed action closing
- Non-handed
- Heavy duty

### Covers



**4040XP-72  
plastic cover (PC)**

- Non-handed
- Includes 4040XP-54 snap-on cover clip
- Redesigned patent-pending snap-fit cover with improved retention fit



**4040XP-72MC  
metal cover (MC)**

- Handed
- Required for plated finishes and custom powder coat finishes
- Optional

### Arms



**4040XP-3077  
Regular Arm (REGARM)**

- Non-handed
- Mounts pull side or top jamb with shallow reveal P4041 closer includes PA shoe, 4040XP-62PA required for parallel arm mounting



**4040XP-3077L  
Long Arm (LONG)**

- Non-handed
- Includes long rod and shoe, 4040XP-79LR for top jamb mount
- Optional



**4040XP-3077ELR  
Extra Long Arm (XLONG)**

- Non-handed
- Includes extra long rod and shoe, 4040XP-79ELR for top jamb mount with deep reveal
- Optional



**4040XP-3049  
Hold Open Arm (H)**

- Non-handed
- Mounts pull side or top jamb with shallow reveal, hold open adjustable shoe
- 4040XP closer includes 4040XP-62PA shoe required for parallel arm mounting
- Optional



**4040XP-3049L  
Hold Open Long Arm (HLONG)**

- Non-handed
- Includes long head and tube, 4040XP-3048L for top jamb mount
- Optional



**4040XP-3077EDA  
Extra Duty Arm (EDA)**

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- Optional



**4040XP-3049EDA  
Hold Open Extra Duty Arm (HEDA)**

- Handed
- Parallel arm features forged, solid steel main and forearm for potentially abusive installations
- Hold open function is adjusted at the shoe
- Optional



**4040XP-3077EDA/62G  
Extra Duty Arm with 62G Thick  
Hub Shoe (EDAW62G)**

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance
- Optional



**4040XP-3049EDA/62G  
Hold Open Extra Duty arm with 62G  
Thick Hub Shoe (HEDA62G)**

- Handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance; hold open function is adjusted at the shoe
- Optional



**4040XP-3077CNS  
Cush-n-Stop Arm (CUSH)**

- Non-handed
- Features solid forged steel main arm and forearm with stop in soffit shoe.
- Optional



**4040XP-3049CNS  
Hold Open Cush-n-Stop Arm  
(HCUSH)**

- Non-handed
- Hold open function with templated stop/hold open points
- Handle controls hold open function
- Optional

## Accessories

### Arms (cont.)

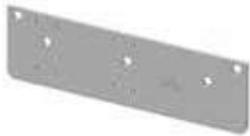


- 4040XP-3077SCNS  
Spring Cush-n-Stop Arm (SCUSH)**
- Non-handed
  - For potentially abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
  - Optional



- 4040XP-3049SCNS  
Spring Hold Open Cush-n-Stop Arm (SHCUSH)**
- Non-handed
  - For potentially abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
  - Handle controls hold open function
  - Optional

### Installation accessories



- 4040XP-18  
Plate**
- Required for hinge side mount where top rail is less than 3 3/4" (95 mm)
  - Requires minimum 2" (51 mm) minimum top rail



- 4040XP-18G  
Plate**
- Locates top jamb mounted closer flush with top of head frame face in flush ceiling condition
  - Requires 1 3/4" (44 mm) minimum head frame



- 4040XP-18TJ  
Plate**
- Centers top jamb mounted closer vertically on head frame where face is less than 3 1/2" (89 mm). Plate requires 1 3/4" (44 mm) minimum head frame



- 4040XP-18PA  
Plate**
- Required for parallel arm mounting where top rail is less than 5 1/2" (140 mm), measured from the stop
  - Requires 2" (51 mm) minimum top rail



- 4040XP-62PA  
PA shoe**
- Required for parallel arm mounting



- 4040XP-30  
CUSH shoe support**
- Provides anchorage for fifth screw used with CUSH arms, where reveal is less than 3 1/16" (78 mm)
  - Optional



- 4040XP-61  
Blade stop spacer**
- Required to lower parallel arm shoe to clear 1/2" (13 mm) blade stop
  - Optional



- 4040XP-419  
PA flush panel adapter**
- Provides horizontal mounting surface for parallel arm shoe on single rabbeted or flush frame
  - Optional



- 4040XP-62A  
Auxiliary shoe**
- Requires a top rail of 7" (178 mm)
  - Shoe replaces -62PA for parallel arm mounting of regular arm with overhead holder/stop
  - Optional



- 4040XP-54  
Snap-on cover clip**
- Used to secure 4040XP-72 plastic cover to cylinder body

## Ordering information

### How-to-order 4040XP Series closers

#### 1. Select finish

- Standard powder coat \_\_\_\_\_  
Matte Black (622), Aluminum (689), Dark Bronze (695),  
Statuary Bronze (690), Light Bronze (691), Black (693),  
or Brass (696)

#### Closer options

##### Cylinder

- Delay Action Cylinder (CYLDEL)

##### Cover

- Metal (specify right or left hand)(MC)

##### Finish

- Custom powder coat (RAL) \_\_\_\_\_  
(handed metal cover required)
- Plated finish, US \_\_\_\_\_  
(handed metal cover required)
- SRI primer  
(use with powder coat finishes only)

##### Arm

- Regular Arm (REGARM)
- Regular Arm with Parallel  
Arm Bracket (RWPA)
- Regular Arm with 62A  
Auxiliary Shoe (RW62A)
- Long Arm (LONG)
- Extra Long Arm (XLONG)
- Hold Open Arm (H)

- Hold Open with Parallel Arm  
Bracket (HWPB)
- Hold Open Long Arm (HLONG)
- Extra Duty Arm (EDA)
- Extra Duty Arm with 62G Thick  
Hub Shoe (EDAW62G)
- Hold Open Extra Duty Arm (HEDA)
- Cush-n-Stop Arm (CUSH)
- Hold Open Cush-n-Stop Arm  
(HCUSH)
- Spring Cush-n-Stop Arm (SCUSH)
- Spring Hold Open Cush-n-Stop  
Arm (SHCUSH)

##### Optional screw packs

- Through Bolt<sup>1</sup> Self Reaming and  
Tapping Screws (TBSRT)
- Wood and Machine Screws  
(WMS)
- Through Bolt<sup>1</sup> Wood and Machine  
Screws (TBWMS)
- Torx Machine Screws (TORX)

- Through Bolt<sup>1</sup> and Torx Machine  
Screws (TBTRX)

##### Installation accessories

- Plate, 4040XP-18
- Plate, 4040XP-18TJ
- Plate, 4040XP-18G
- Plate, 4030-18PA
- CUSH shoe support,  
4040XP-30
- Blade stop spacer, 4040XP-61
- Auxiliary shoe, 4040XP-62A
- PA flush panel adapter,  
4040XP-419

##### Special template

- ST- \_\_\_\_\_

1. Specify door thickness if other than 1 3/4".

### Table of sizes

- 4040XP cylinders are adjustable from size 1 through size 6 and is shipped set to size 3
- Closing power of 4040XP Series closers may be adjusted 50%

#### Exterior (and vestibule) door width



#### Interior door width



➔ Indicates recommended range of door width for closer size.  
\* Adjustable Size 1 thru 5.

### Closer will be shipped with:

- Standard cylinder
- Standard cover
- Regular arm
- Self reaming and tapping screws  
(unless options listed below are selected)

### Reduced opening force 4040XP Series closers

**CAUTION!** Any manual door closer, including those certified by BHMA to conform to ANSI Standard A156.4, that is selected, installed and adjusted based on ADA or other reduced opening force requirements may not provide sufficient power to reliably close and latch a door.

Refer to Automatic Operators catalog for information on systems that meet reduced opening force requirements without effecting closing power.

	Door width	36"	42"	48"
	8.5* lbs.	4040XP	4040XP	4040XP
	5.0* lbs.	4040XP	4040XP	4040XP

\* Maximum opening force.

## Finishes

### Standard powder coat finishes

LCN powder coating provides superior protection against the effects of weather conditions and is an environmentally friendly process. The high quality finish is chip resistant. Corrosion resistance surpasses 100 hours salt spray testing (four times the industry standard). Non-metallic components also provide the same high resistance to the effects of the elements. All LCN products must be shipped with a finish.

#### LCN standard finishes (ANSI/BHMA number):

622 Matte Black Paint



689 Aluminum Paint



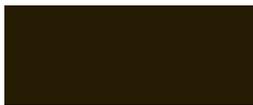
690 Statuary Bronze Paint



691 Light Bronze Paint



693 Gloss Black Paint



695 Dark Bronze Paint



696 Brass Paint



### Optional custom powder coat finishes

LCN offers custom powder coating to provide a custom appearance and all the corrosion resistance of standard powder coat finishes at a nominal additional cost. LCN uses the RAL numbering system for the 150+ custom colors available. Contact your local RSO representative for a brochure showing the available custom colors.

Note: Custom powder coat finishes require a metal cover.

### Optional plated finishes

Visible components such as metal covers, arms, fasteners, and finish plates are plated to match the selected finish. Surface mounted tracks are powder coated to compliment the plated finish. Hidden assemblies such as cylinders, tracks, and mounting plates are supplied with a powder coated finish. Plated finishes require handing of closers.

#### Plated finishes:

616 Satin Bronze, Blackened	646 Satin Nickel
632 Bright Brass	651 Bright Chrome
633 Satin Brass	652 Satin Chrome
639 Satin Bronze	

### Special Rust Inhibitor (SRI) process

For installations where a higher level of protection against weather conditions, or the effects of a potentially corrosive atmosphere is required, LCN offers a Special Rust Inhibitor (SRI) process. Ferrous metal components receive an SRI pretreatment and a standard powder coat finish of your choice, or a custom powder coat finish for a nominal additional cost. Closers treated with the SRI process exceed the 100 hour protection level available with standard LCN powder coated finishes. For details, contact your local RSO representative or the LCN factory.

### Standard anodized finishes

LCN Senior Swing and Benchmark electromechanical automatic operators are offered with an anodized finish. Anodizing is an electrochemical process that thickens and toughens the protective oxide on aluminum metal.

#### LCN anodized finishes:

628 Aluminum, Clear Anodized  
710 Dark Brown, Anodized

## Materials

The LCN offering consists of well-made, reliable, long-lasting products that work in real-life applications. In addition to the mechanical advantages derived from proven designs, much of the durability of the closer and arm system is directly related to the materials used in their manufacturing.

Precision machined cast iron cylinders and forged steel pistons work together because of the compatibility of their basic elements. Heat-treated pinions and pistons spread the load over a large gear tooth system to better handle the wear and stress of millions of operating cycles. Upper and lower full complement pinion bearings provide the support and load capacity required by the design of the closer. All-weather fluid, Liquid X, reduces the amount of adjustments and maintenance needed and ensures consistent performance through every season.

Forged steel main arms are a durable alternative to lower-cost stamped steel arms. Specially designed shoe and elbow joints help each closer fit securely onto a variety of opening applications. A state-of-the-art, powder coat process delivers a high quality, corrosion resistant finish on all metal parts in popular architectural finishes.

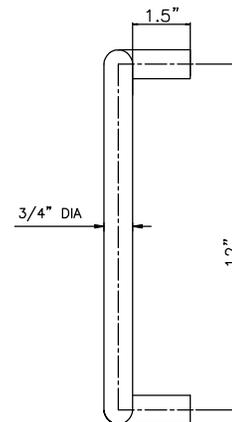
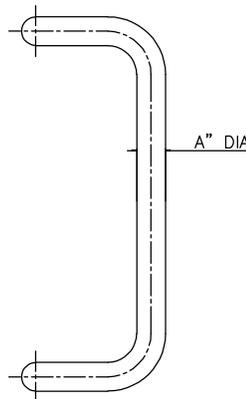
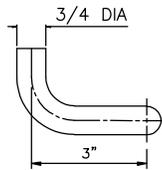
Through state-of-the-art equipment, processes and people, we believe LCN will continue to provide the best solutions for our customers.

# GSH 1180 - (1, 2, 3 OR 4) 12" C/C



GallerySpecialty.com  
1.800.267.1236

- Wrought Brass, Bronze, Aluminum and Stainless Steel
- Fasteners for 1 3/4" Door provided
- C3, C4, C9, C10, C10B, C14, C15, C26, C26D, C28 and C32D
- 1=3/4" DIA
- 2=1" DIA
- 3=1-1/4" DIA
- 4=1-1/2" DIA

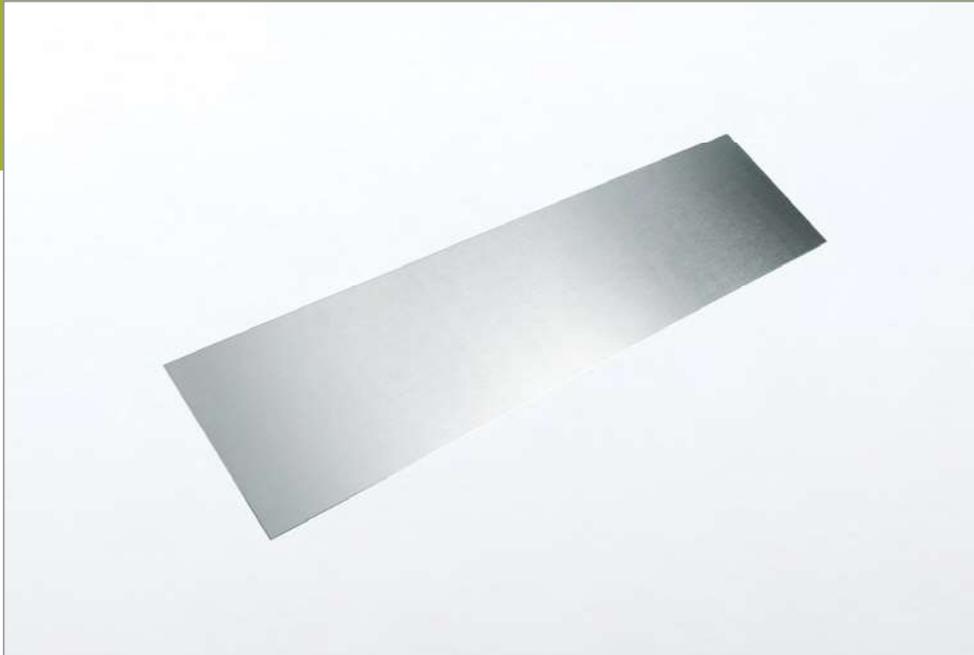


676 Petrolia Road, Toronto, ON, Canada M3J 2V2  
Tel: 416.667.9593 Fax: 416.667.0806  
Email: info@galleryspecialty.com

All product specifications are subject to change. For the most updated product features, contact our customer service department Toll Free at 1.800.267.1236

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# GSH 80 KICK PLATE



GallerySpecialty.com  
1.800.267.1236

- Base Metal: Brass, Bronze, Aluminum and stainless steel (Type 304).
- Screw Mounting with Beveled Standard Edges
- Finishes: All Standard
- Tape Mounting available
  - GSH80 = 20ga
  - GSH80A = 18ga
  - GSH80B = .062ga
  - GSH80C = .125ga



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Tel: 416.667.9593 Fax: 416.667.0806  
Email: info@galleryspecialty.com

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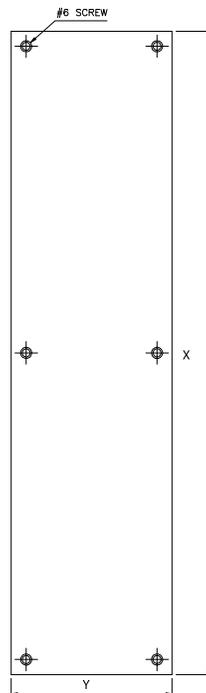
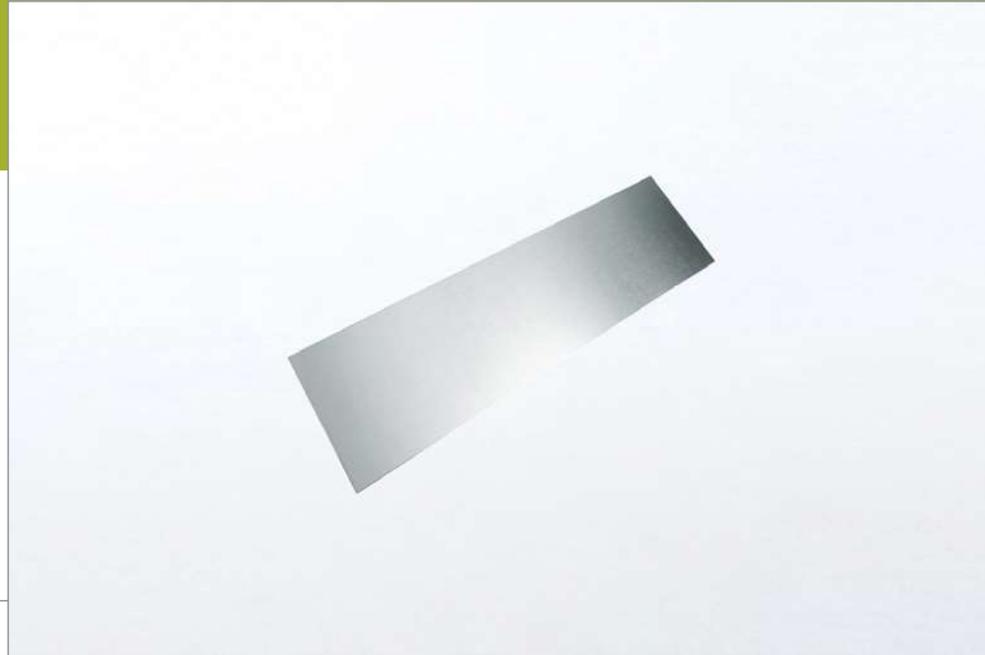
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**MADE TO ORDER P.O.A.**

# GSH 81 PUSH PLATE



GallerySpecialty.com  
1.800.267.1236



- Base Metal: Brass, Bronze, Aluminum and stainless steel (Type 304).
- Screw Mounting with Beveled Edges Standard
- Finishes: All Standard
- Tape Mounting available
  - GSH80 = 20ga
  - GSH80A = 18ga
  - GSH80B = .062ga
  - GSH80C = .125ga

676 Petrolia Road, Toronto, ON, Canada M3J 2V2  
Tel: 416.667.9593 Fax: 416.667.0806  
Email: [info@galleryspecialty.com](mailto:info@galleryspecialty.com)

All product specifications are subject to change. For the most updated product features, contact our customer service department Toll Free at 1.800.267.1236

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**MADE TO ORDER P.O.A.**

# 100 Series concealed overhead door holders/stops



## 100 Series heavy-duty

Glynn-Johnson offers a complete line of overhead door holders and stops, accommodating virtually all openings with solutions for even the most complex door control problems. These concealed holders and stops provide the most attractive and reliable heavy-duty door control available.

Glynn-Johnson 100 Series holders and stops provide the most reliable and versatile concealed overhead door control. They are designed for installation on virtually all types of doors mounted on conventional type butt hinges, pivots, continuous hinges, swing clear hinges and numerous other specialty hinges. When used in conjunction with many surface-applied door closers, 100 Series holders and stops provide the most effective control for entrance doors and vestibule doors of all types, as well as heavy or often used interior doors. Templates provided allow for variable mounting positions, ranging from 85° - 110° of opening.

### Five models:

- 100H Series hold-open model
- 100HP Series internal hold-open model
- 100F Series friction hold-open model
- 100S Series stop-only model
- 100SE Series special stop-only model

### Six sizes:

- Each model comes in six sizes.
- Simple
- Standardized

### Three options:

- ADJ—Adjustable jamb bracket
- CJ—Jamb Bracket for use with LCN 5030 closer
- SOC—Pin-in-socket security screw package

### Unmatched convenience:

- Non-handed
- Improved compatibility with door closers
- Single/double-acting doors
- Interior/exterior applications

- Reduced door prep
- Durable
- Improved corrosion resistance
- Function conversion kits are available

### Materials and finishes

In heavy gauge brass or 300 Series stainless steel, these models offer the broadest range of finishes in the industry, complementing any design and offering the highest resistance to corrosion. Available in the following finishes:

Finishes	Description
US3	Polished brass
US4	Satin brass
US10	Satin bronze
US10B	Oil rubbed bronze
US32	Polished stainless steel
US32D	Satin stainless steel
SP4	Powder coat brass
SP10	Powder coat bronze
SP28	Powder coat aluminum
SP313	Powder coat dark bronze
SPBLK	Powder coat black

## Models

These models provide a wide range of optional features, and are ideal for use on entrance and vestibule doors, large doors, doors opened frequently, or doors subject to abuse. These models are also furnished with an offset-style jamb bracket.

Designed for heavy-duty applications, 100 Series models will provide long-lasting protection to doors, frames, hinges, related hardware and surrounding walls or obstructions.

### 100H Series hold-open

(Suffix H) The hold-open function should be used where it is desired to hold a door open at a predetermined position for short or long periods of time, permitting an unobstructed traffic flow through the opening.

These models are both selective and adjustable, featuring the most reliable hold-open mechanism available. They feature a control knob which protrudes from the face of the door and turns the hold-open function on or off. Set in the inactive position, the unit acts as a stop and shock absorber. The tension on the hold-open mechanism can be adjusted using an allen wrench to offset air currents or other exterior conditions. The hold-open tension adjustment is located in the bottom of the track in the top of the door.

### 100HP Series internal hold-open

These models provide a hold-open unit with the hold-open mechanism built into the channel, thus reducing the door prep. The 100HP have a preset hold-open force that is not adjustable. The hold-open feature is not selectable in these units, so the doors are always held open.

### 100F Series friction hold-open

(Suffix F) Friction hold-open models provide an alternative holding method, ideal for heavy patient room doors, closet doors or similar applications where multiple hold-open positions are desired. The friction tension is adjusted using an allen wrench and an open end wrench. The friction tension adjustment is located on the top of the slider in the channel.

### 100S Series stop-only

(Suffix S) When the hold-open function is not required, the stop-only function provides the same effective door control minus the hold-open feature. The stop-only model may be used on fire doors.

### 100SE Series special stop-only

(Suffix SE) When stop-only models are used in conjunction with single point hold-open electronic door closers, they may be ordered without the shock-absorbing mechanism. Used as an auxiliary stop with these closers, they will prolong the life of the closer. The stop location is adjusted using an allen wrench on the stop block located in the channel. The SE option cannot be added to an existing unit. It must be factory ordered.

Note: Caution should be taken when using this option in other applications, as the elimination of the shock-absorbing spring can put added stress on the door and frame.

## Application Information

### UL Classification

The 100 Series stop-only models are classified by Underwriters Laboratories (UL) as miscellaneous fire door accessories. This classification applies to use on either hollow metal fire doors or wood fire doors. Where wood door manufacturer's listing allows for the cutout required for installation, concealed overhead stops may be used on those wood fire doors. These units may be used on doors of any rating. As a reminder, the miscellaneous fire door accessories (GVUX) section is defined by UL as: "Miscellaneous fire door accessories are intended in the individual listings. The accessories have been investigated to determine that when installed in accordance with the manufacturer's instructions, the accessories do not adversely affect the fire rating of the fire door and/or fire door frames."

### Dead stop templating

If a wall or similar obstruction is in place at 110° or less opening angle (i.e. doors that open back-to-back), dead stop templating should be used. This includes all hold-open, friction and stop-only models, except when the "SE" option is used. The dead stop position is reached when the shock-absorbing spring is fully compressed, the initial degree of opening will be 5° to 7° less than the dead stop opening.

Example: If the holder is templated to a 100° dead stop, the door will hold open at an angle between 93° and 95° but no further than 100°.

Note: Do not use dead-stop templating on the 100SE Series since there is no shock-absorbing spring.

### Environmental considerations

Environmental factors should always be considered when specifying overhead holders and stops. Doors that are positioned on a building's exterior or subject to corrosive conditions should be equipped with a holder constructed primarily of stainless steel or brass materials. For interior applications, steel is acceptable, though brass substrates generally provide a more attractive architectural-grade finish.

## Options

### Suffix ADJ (adjustable jamb bracket)

An additional option on the 100 Series is the adjustable jamb bracket, which allows the degree of hold-open or stop angle to be adjusted after installation. Suffix "ADJ" is available in all functions, but only in sizes 3, 4, 5 and 6. ADJ jamb bracket requires additional frame prep. The ADJ option cannot be added to an existing unit, it must be factory ordered.

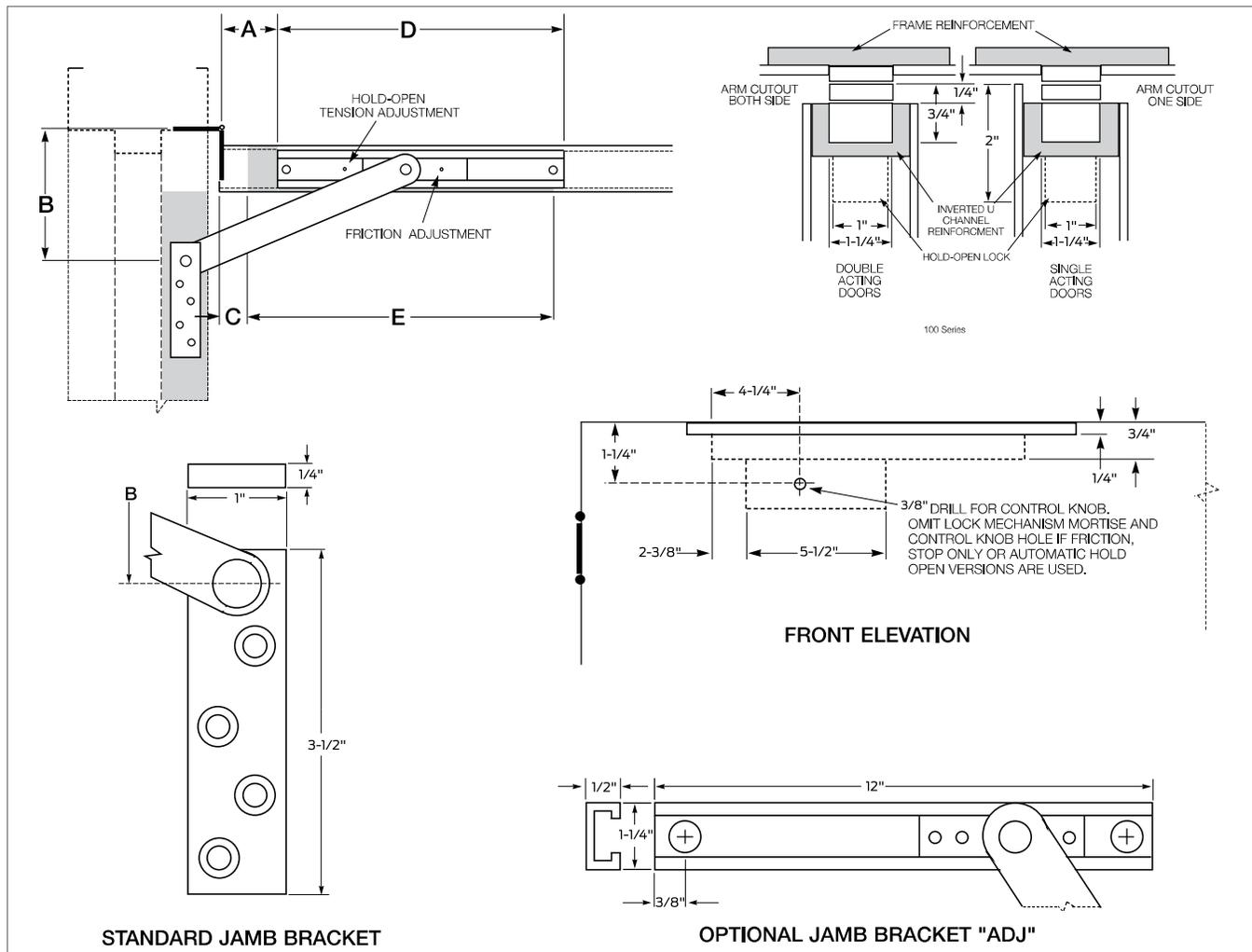
### Suffix CJ (closer jamb bracket)

Provides a special jamb bracket needed for 100 Series units used with LCN 5030 closers. These special jamb brackets are handed, so handing will need to be specified when ordering the "CJ" option, CJLH for a left hand door and CJRH for a right hand door. The CJ option cannot be added to an existing unit, it must be factory ordered.

### Suffix SOC (Pin-in-socket security screw package)

A screw package with pin-in-socket screws for mounting the jamb bracket to the frame is provided instead of the standard screw package.

# 100 Series concealed overhead door holders/stops



## 100 Series sizing chart<sup>2</sup>

### Butt/offset pivots

Size	Door opening	Stop only	Hold open	Friction
1 <sup>1</sup>	18" - 23"	101S	101H	101F
2 <sup>1</sup>	23 1/16" - 27"	102S	102H	102F
3	27 1/16" - 33"	103S	103H	103F
4	33 1/16" - 39"	104S	104H	104F
5	39 1/16" - 45"	105S	105H	105F
6	45 1/16" - 51"	106S	106H	106F

### Center hung

Door opening	Stop only	Hold open	Friction
-	-	-	-
33 1/16" - 39"	103S	103H	103F
39 1/16" - 45"	104S	104H	104F
45 1/16" - 51"	105S	105H	105F
51 1/16" - 59"	106S	106H	106F

## BHMA/ANSI, A156.8 and Fed. spec. cross reference

G-J model	BHMA <sup>*</sup>	Fed. spec.
101-106 H	C01511	1160
101-106 S	C01541	-
101-106 F	C01531	-

<sup>\*</sup> First numeral (0) designates optional material.

To specify:  
Brass material, change 0 to 1 (i.e. C11511)  
Stainless steel material, change 0 to 5 (i.e. C51511)

BHMA:  
All 100 Series models are designed for heavy-duty applications and far exceed BHMA cycle test and force test requirements for Grade 1 holders and stops.

Note: This chart illustrates the most common types of hinging and door opening sizes. For unusual door details, contact Glynn-Johnson for availability.

<sup>1</sup>These sizes are not available for use with offset pivots. Also not available with the ADJ option.

<sup>2</sup>Wood doors with automatic flush bolts or roller latches, consult factory.

The template information on this page is for reference only and is not intended to serve as an installation template. For more information, reference the Template Directory in the Document Library at [us.allegion.com](http://us.allegion.com).



## How to order

	<b>10</b>	<b>4</b>	<b>H</b>	-	<b>US26D</b>	-	<b>ADJ</b>
<b>Overhead Series:</b>							
<b>10</b>							
<b>Size (door opening using butt or offset pivots):</b>							
<b>1</b>	(18" - 23")						
<b>2</b>	(23 1/16" - 27")						
<b>3</b>	(27 1/16" - 33")						
<b>4</b>	(33 1/16" - 39")						
<b>5</b>	(39 1/16" - 45")						
<b>6</b>	(45 1/16" - 54")						
<b>Function:</b>							
<b>H</b>	Hold-open						
<b>HP</b>	Internal hold-open						
<b>F</b>	Friction hold-open						
<b>S</b>	Stop-only						
<b>SE</b>	Special stop-only						
<b>Finishes:</b>							
<b>US3</b>	Polished brass						
<b>US4</b>	Satin brass						
<b>US10</b>	Satin bronze						
<b>US10B</b>	Oil rubbed bronze						
<b>US32</b>	Polished stainless						
<b>US32D</b>	Satin stainless steel						
<b>SP4</b>	Powder coat brass						
<b>SP10</b>	Powder coat bronze						
<b>SP28</b>	Powder coat aluminum						
<b>SP313</b>	Powder coat dark bronze						
<b>SPBLK</b>	Powder coat black						
<b>Options:</b>							
<b>ADJ</b>	Adjustable jamb bracket						
<b>CJLH</b>	Special jamb bracket for LCN 5030 closer, LH door						
<b>CJRH</b>	Special jamb bracket for LCN 5030 closer, RH door						
<b>SOC</b>	Pin-in-socket security screws						

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81 Series	10
90 Series	14
100 Series	18
410 Series	22
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## Finishes

<b>Finish no.</b>	<b>Description</b>
US3	Polished brass
US4	Satin brass
US10	Satin bronze
US10B	Oil rubbed bronze
US26	Polished chrome
US26D	Satin chrome
US28	Clear anodized aluminum
US32	Polished stainless steel
US32D	Satin stainless steel
313AN	Dark bronze anodized aluminum
652	Chrome-like coating on steel
SP4	Powder coat brass
SP10	Powder coat bronze
SP28	Powder coat aluminum
SP313/695	Powder coat dark bronze
SPBLK	Powder coat black

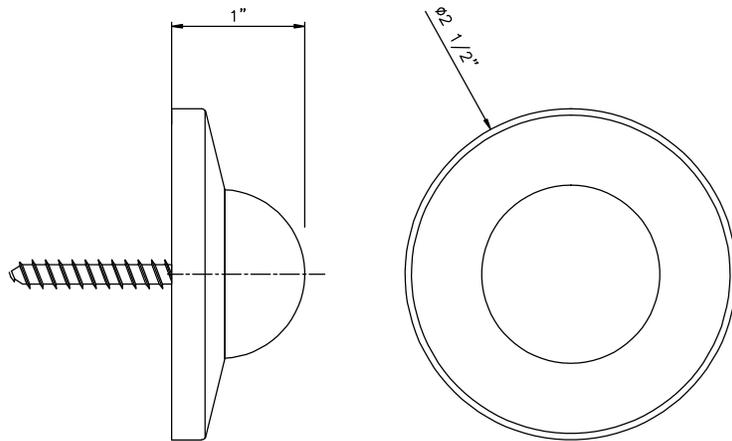
# GSH 240 WALL STOP

**Gallery™**  
specialty hardware ltd.



GallerySpecialty.com  
1.800.267.1236

- Through the rubber mounting
- Fasteners Included
- C3, C4, C10, C10B, C26D, and C32D



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Tel: 416.667.9593 Fax: 416.667.0806  
Email: info@galleryspecialty.com

All product specifications are subject to change. For the most updated product features, contact our customer service department Toll Free at 1.800.267.1236

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# 90 Series surface overhead door holders/stops



## 90 Series heavy-duty

Glynn-Johnson 90 Series holders and stops are the most rugged models available for heavy-duty applications. The channel is surface-mounted to the door, most often with sex bolts, and the jamb bracket is surface mounted to the jamb, requiring minimal door and frame preparation.

These versatile units can be used in conjunction with most surface-applied door closers. The provided templates allow for variable mounting positions, ranging from 85° to 110° hold-open/stop angle. These templates are designed for installation in almost all types of doors, including doors with conventional butt-type hinges or specialty hinges.

### Four models:

- 90H Series hold-open model
- 90S Series stop-only model
- 90F Series friction hold-open model
- 90SE Series special stop-only model

### Five sizes:

- Simple
- Standardized
- Each model is available in five sizes

### Three options:

- J—Angle jamb bracket
- SHIM—Blade stop shim kits
- SOC—Pin-in-socket security screw package

### Unmatched convenience:

- Non-handed
- Improved compatibility with door closers
- Single-acting doors
- Interior/exterior applications
- Durable
- Easy to install
- Improved corrosion resistance
- Function conversion kits available

### Materials and finishes

In 300 Series stainless steel, brass and steel substrates, these models are available in the largest selection of finishes in the industry. Stainless steel models offer the highest resistance to corrosion. Available in the following finishes:

Finish	Description
US3	Polished brass
US4	Satin brass
US10	Satin bronze
US10B	Oil rubbed bronze
US32	Polished stainless steel
US32D	Satin stainless steel
SP4	Powder coat brass
SP10	Powder coat bronze
SP28	Powder coat aluminum
SP313	Powder coat dark bronze
SPBLK	Powder coat black
652	Chrome-like coating

## Models

Glynn-Johnson 90 Series door holders and stops provide long-lasting protection for doors, frames and hardware. All models incorporate a heavy-duty channel/slide-arm design and offset jamb bracket. This unique design allows for simple field modification of functions, should user requirements change.

### 90H Series hold-open

(Suffix H) Hold-open models provide a convenient method of holding the door open at a predetermined position for short or long periods of time, permitting an unobstructed traffic flow through the opening. The hold-open function can easily be turned on or off by simply rotating the serrated knob on the bottom of the channel. This knob engages the hold-open mechanism, allowing the door to be held open at a predetermined position ranging from 85° to 110°. When the knob is flipped over, it acts as a stop and shock absorber.

The tension on the hold-open mechanism can be adjusted using a phillips screwdriver to offset air currents or other exterior conditions. The hold-open tension adjustment is located on the top of the slider in the channel.

### 90S Series stop-only

(Suffix S) When the hold-open function is not a requirement, stop-only models provide a reliable method of door control. Stop-only models provide the same shock-absorbing capability as hold-open models. The stop-only model may be used on fire doors.

### 90F Series friction hold-open

(Suffix F) Friction hold-open models are ideal for patient room doors, wardrobe and closet doors or similar applications where multiple hold-open positions are desired. The friction tension can be adjusted through the top of the channel using an allen wrench. The friction tension adjustment is located on the top of the slider in the channel. The SE option cannot be added to an existing unit. It must be factory ordered.

### 90SE Series special stop-only

(Suffix SE) When stop-only models are used in conjunction with single-point, hold-only electronic door closers, the stop-only function may be ordered without the shock-absorbing mechanism. Used as an auxiliary stop, these models prolong the life of the closer. The stop location is adjusted using an allen wrench on the stop block located in the channel.

Note: Caution should be taken when using this option in other applications, as the elimination of the shock-absorbing spring can put added stress on the door and frame.

## Application Information

### UL Classification

The 90 Series stop-only models are classified by Underwriters Laboratories (UL) as miscellaneous fire door accessories. This classification applies to use on either hollow metal fire doors or wood fire doors. These units may be used on doors of any rating. As a reminder, the miscellaneous fire door accessories (GVUX) section is defined by UL as: "Miscellaneous fire door accessories are intended in the individual listings. The accessories have been investigated to determine that when installed in accordance with the manufacturer's instructions, the accessories do not adversely affect the fire rating of the fire door and/or fire door frames."

### Dead-stop templating

Dead-stop templating is recommended for applications where a wall or similar obstruction is placed at an opening angle of 110° or less (i.e., doors that open back-to-back). Dead-stop templating can be applied to hold-open, stop-only and friction models. The dead-stop position is the point at which the shock-absorbing spring is fully compressed. Therefore, when dead-stop templating is used, the initial degree of opening will be 5° to 7° less than the dead-stop opening.

Example: If the holder is templated to a 100° dead stop, the door will hold open at an angle between 93° and 95° but no further than 100°.

Note: Do not use dead-stop templating on the 90SE Series since there is no shock-absorbing spring.

### Environmental considerations

Environmental factors should always be considered when specifying overhead holders and stops. Doors that are positioned on a building's exterior or subject to corrosive conditions should be equipped with a holder constructed primarily of stainless steel or brass materials. For interior applications, steel is acceptable, though brass substrates generally provide a more attractive architectural-grade finish.

## Options

### Suffix J (angle jamb bracket)

An angle jamb bracket is available for converting standard models to hinge-side or flush transom mounting. The angle jamb bracket affixes to the standard jamb bracket. If ordered with the unit add suffix J. If needed separately order 90J by finish needed.

### Suffix SOC (pin-in-socket security screws)

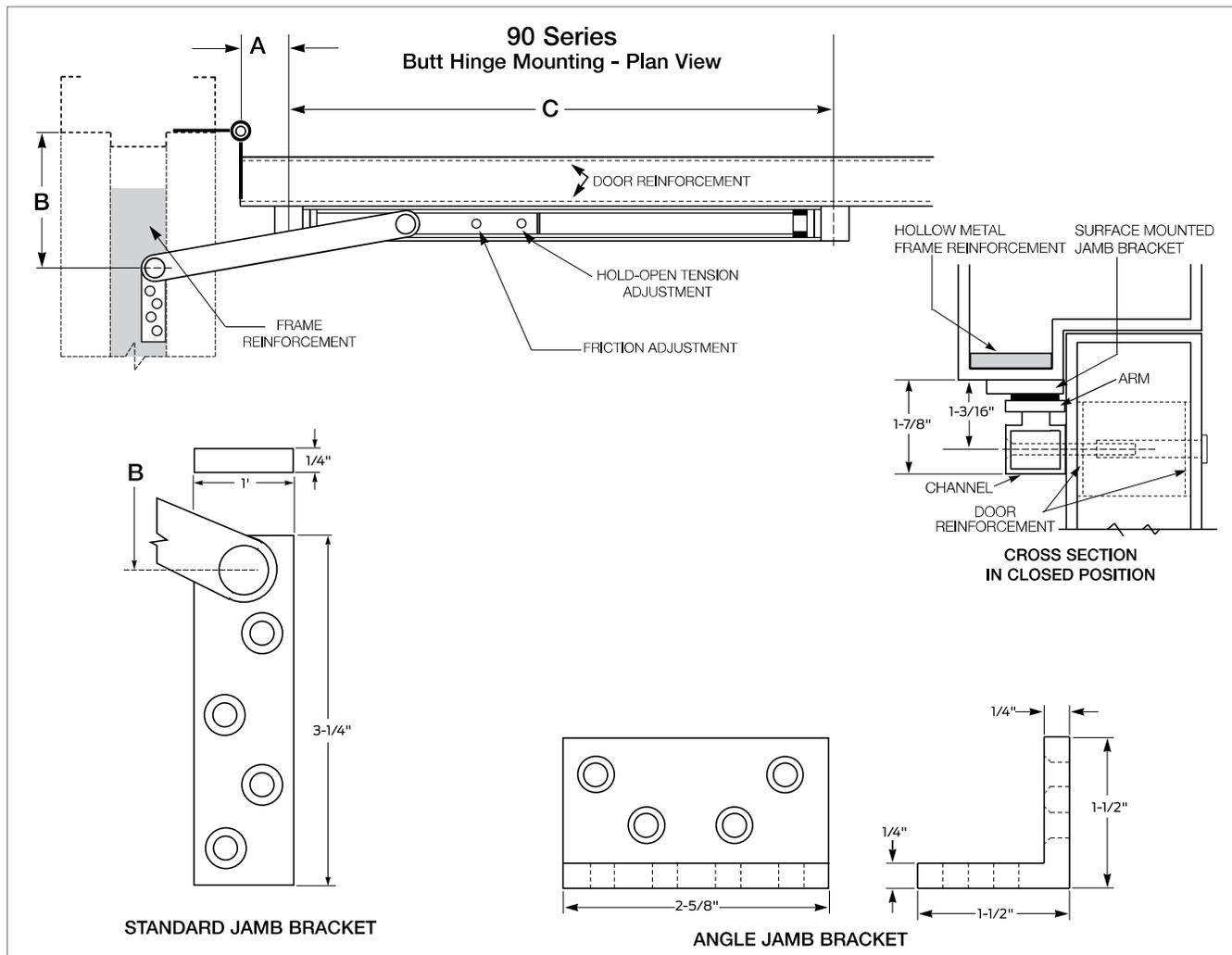
A screw package with pin-in-socket screws for mounting the door bracket and the jamb bracket is provided instead of the standard screw package.

### Suffix SHIM (blade stop shims)

Shim kits are available in 3 sizes  
90 SHIM1 is a 1/4" shim kit  
90 SHIM2 is a 1/2" shim kit  
90 SHIM3 is a 3/4" shim kit

If ordered with overhead, add suffix SHIM (1, 2 or 3). If needed separately order 90 SHIM (1, 2 or 3)—finish.

# 90 Series surface overhead door holders/stops



## 90 Series sizing chart

### Butt/offset pivots

Size	Door opening	Stop only	Hold open	Friction
1	-	-	-	-
2	23 1/16" - 27"	902S	902H	902F
3	27 1/16" - 33"	903S	903H	903F
4	33 1/16" - 39"	904S	904H	904F
5	39 1/16" - 45"	905S	905H	905F
6	45 1/16" - 51"	906S	906H	906F

### Center hung

Door opening	Stop only	Hold open	Friction
-	-	-	-
27 1/16" - 33"	902S	902H	902F
33 1/16" - 39"	903S	903H	903F
39 1/16" - 45"	904S	904H	904F
45 1/16" - 51"	905S	905H	905F
51 1/16" - 59"	906S	906H	906F

### BHMA/ANSI, A156.8 and Fed. spec. cross reference

G-J model	BHMA*	Fed. spec.
902-906 H	C02511	1161
902-906 S	C02541	1161A
902-906 F	C02531	-

\* First numeral (0) designates optional material.

To specify:  
 Brass material, change 0 to 1 (i.e. C12511)  
 Stainless steel material, change 0 to 5 (i.e. C52511)  
 Steel material, change 0 to 8 (i.e. C82511)

Note: This chart illustrates the most common types of hinging and door opening sizes. For unusual door details, contact Glynn-Johnson for availability.

The template information on this page is for reference only and is not intended to serve as an installation template. For more information, reference the Template Directory in the Document Library at [us.allegion.com](http://us.allegion.com).



## How to order

	<b>90</b>	<b>4</b>	<b>H</b>	-	<b>US32D</b>	-	<b>J</b>
<b>Overhead Series:</b>							
<b>90</b>							
<b>Size (door opening using butt or offset pivots):</b>							
<b>2</b>	(23 1/16"–27")						
<b>3</b>	(27 1/16"–33")						
<b>4</b>	(33 1/16"–39")						
<b>5</b>	(39 1/16"–45")						
<b>6</b>	(45 1/16"–54")						
<b>Function:</b>							
<b>H</b>	Hold-open						
<b>F</b>	Friction hold-open						
<b>S</b>	Stop-only						
<b>SE</b>	Special stop-only						
<b>Finishes:</b>							
<b>US3</b>	Polished brass						
<b>US4</b>	Satin brass						
<b>US10</b>	Satin bronze						
<b>US10B</b>	Oil rubbed bronze						
<b>US32</b>	Polished stainless						
<b>US32D</b>	Satin stainless steel						
<b>SP4</b>	Powder coat brass						
<b>SP10</b>	Powder coat bronze						
<b>SP28</b>	Powder coat aluminum						
<b>SP313</b>	Powder coat dark bronze						
<b>SPBLK</b>	Powder coat black						
<b>652</b>	Chrome-like coating						
<b>Options:</b>							
<b>J</b>	Angle jamb bracket						
<b>SHIM</b>	Blade stop shims						
	SHIM 1 1/4" kit						
	SHIM 2 1/2" kit						
	SHIM 3 3/4" kit						
<b>SOC</b>	Pin-in-socket security screws						

# EM SERIES



### Specifications

All electromagnetic door holders shall be DORMA EM Series with wall or floor-mounted magnets and door-mounted catch plates. Available as surface, flush, or floor mount. Floor-mounted magnets shall be provided for both single and double door applications. Each magnet to have the following voltage capability: 24 VAC or DC and 120 VAC. Specify type of mount.

### Optional Specifications

- Magnet to have 1-1/2" catch plate extension. Specify ER-1.5.
- Magnet to have 2" catch plate extension. Specify ER-2.0.
- Magnet to have adjustable catch plate extension. Specify either ER-7 or ER-12.

### Finishes

#### Powder Coated Finishes

- Aluminum: 689\*
  - Bronze: 695 (Dark Duranodic)
- \*The EM-509 is furnished with a 630 faceplate when ordered in 689 finish.

#### Painted Finish

- 696: Gold (Satin)

### Warranty

For details, refer to **DORMA Limited Warranty** on our website at [go.dorma.com/terms](http://go.dorma.com/terms).

### Dual voltage capability and an adjustable catch plate provide versatility for varying applications.

The DORMA EM Series door holders are composed of a door mounted catch plate and a floor- or wall-mounted electromagnet. This series serves as an economical package for use in conjunction with DORMA door closers whenever controlled release and closing of doors is necessary for safety or convenience such as in hotels, hospitals, and nursing homes.

The EM Series magnets offer superior reliability with built-in protection and low residual

magnetism so they release easily even in applications meeting ADA requirements with minimal spring force door closers. Brackets are not required for recessed, flush, or surface mounting. The catch plate on the door features a ball-shaped pivot arm for adjustability to further ensure perfect alignment. Optional extension rods are available to accommodate greater distances between the door and wall.

### Technical Details

- Dual voltage capability reduces stocking requirements.
- Low current draw allows savings on power supplies and backup batteries.

- Optional extension rods fit on standard catch plate to accommodate deeper door to wall conditions.
- Low residual magnetism allows easy release of door.
- All electrical values +10% to -15%.
- Floor- and wall-mounted styles.
- Can be manually pulled from hold open position.
- Silent operation.
- Holding force 15–25 lb nominal.

### Certifications

- ANSI/BHMA A156.15 Grade 1 certified.
- UL and CUL listed under their continuing reinspection programs.
- California State Fire Marshall (CSFM) approved.



## HOW TO ORDER

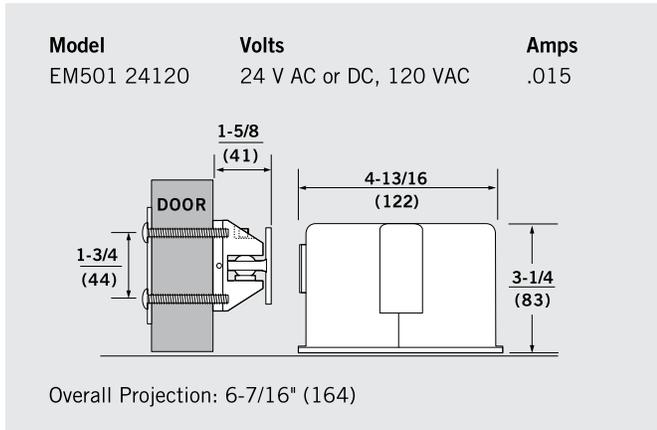
Application		Options (Packaged Separately)		Finish	
Completely Flush	509	2-5/8" Catch Plate	CP LONG		
Surface	508	2" Catch Plate	CP SHORT		
Semi-Flush, Short Catch	505	8-3/8" to 12" Adjustable Extension	ER 12	696	Satin Brass Painted
Semi-Flush, Long Catch	504	6-3/8" to 8" Adjustable Extension	ER 7	695	Dark Duranodic Bronze Powder Coated
Double Floor	502	2" Extension	ER 2.0	689	Aluminum Powder Coated
Single Floor	501	1-1/2" Extension	ER 1.5		

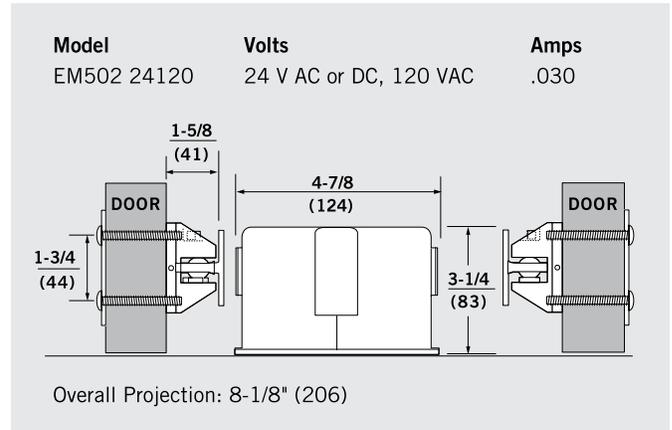
<b>EM</b>	<b>504</b>	<b>24120</b>	<b>689</b>
EM Series		24120 — Dual Voltage 24 VDC, 120 VAC	
		Electrical Specification	

# MODELS

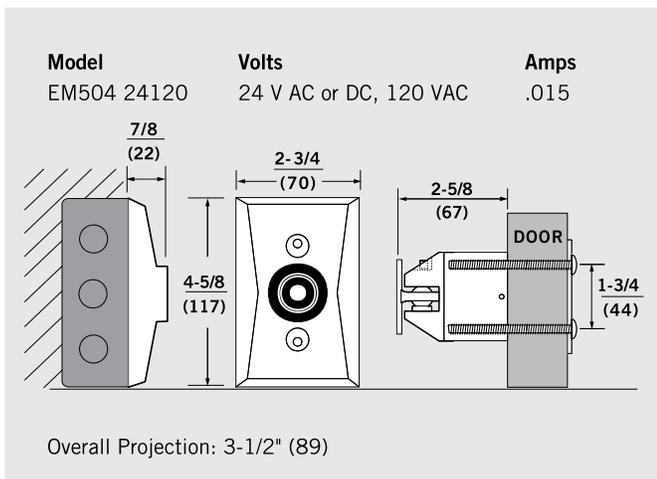
## Floor-Mount (Single Door)



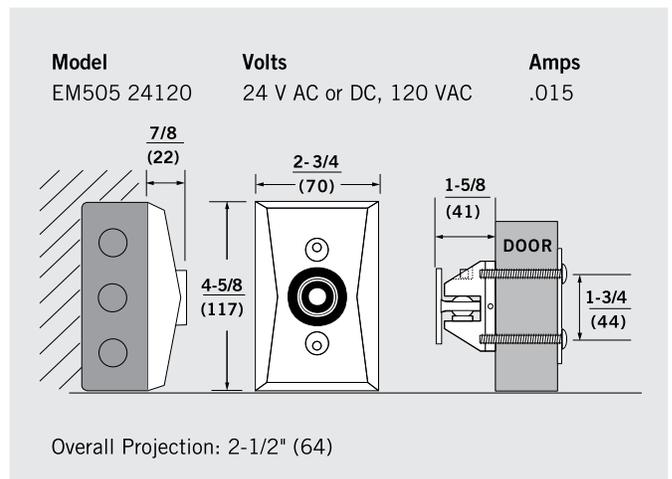
## Floor-Mount (Double Door)



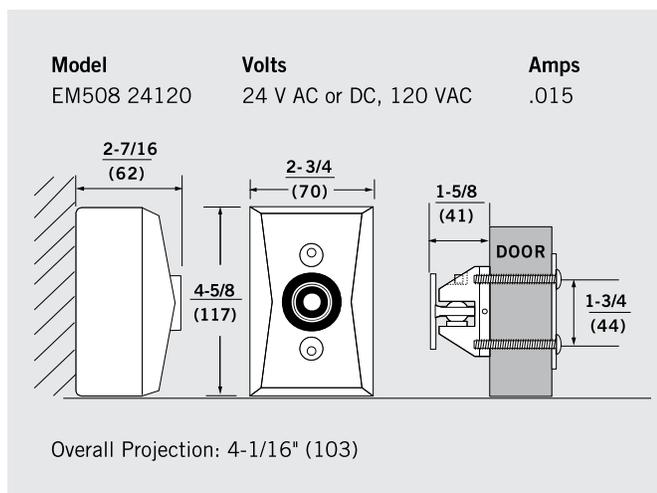
## Semi-Flush Wall-Mount (Long Catch Plate)



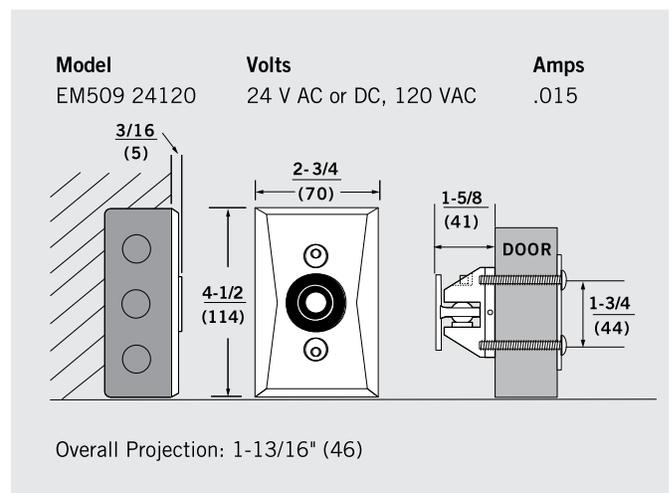
## Semi-Flush Wall-Mount (Short Catch Plate)



## Surface Wall-Mount (Short Catch)



## Completely Flush Wall-Mount (Low Projection)



# 450 Series surface overhead door holders/stops



## 450 Series medium-duty

Glynn-Johnson provides the most complete line of overhead holders and stops, offering solutions for the most demanding door control problems. These holders and stops offer the widest variety of functions, materials and finishes to fit all medium- to light-duty applications. The channel is surface-mounted to the door, most often with six bolts, and the jamb bracket is surface mounted to the jamb, requiring minimal door and frame preparation.

Glynn-Johnson 450 Series holders and stops provide reliable and versatile surface-mounted overhead door control for all medium to light-duty applications. The visible components are available in a wide variety of architectural finishes to complement any design.

The 450 Series holders and stops are designed for installation in virtually all types of doors and frames including doors with conventional butt hinges, offset pivots, continuous hinges, swing clear hinges and many other specialty hinges. The templates provided allow for variable mounting positions, ranging from 85° - 110° of opening.

### Four models:

- 450H Series hold-open model
- 450S Series stop-only model
- 450F Series friction hold-open model
- 450SE Series special stop-only model

### Five sizes:

- Simple
- Standardized
- Each model is available in five sizes

### Three options:

- J—Angle jamb bracket
- SHIM—Blade stop SHIM kit
- Soc—Pin-in-socket security screw package

### Unmatched convenience:

- Non-handed
- Improved compatibility with door closers

- Improved jamb bracket design
- Single acting doors
- Interior applications
- Durable
- Easy to install
- Improved corrosion resistance

### Materials and finishes

In brass, 300 Series stainless steel or steel, these models offer the broadest range of finishes in the industry to complement any design. Brass and stainless steel offer the highest resistance to corrosion, while all these base materials are suitable for normal interior use.

Finish	Description
US3	Polished brass
US4	Satin brass
US10	Satin bronze
US10B	Oil rubbed bronze
US32	Polished stainless steel
US32D	Satin stainless steel
SP4	Powder coat brass
SP10	Powder coat bronze
SP28	Powder coat aluminum
SP313	Powder coat dark bronze
SPBLK	Powder coat black
652	Chrome-like coating

## Models

Glynn-Johnson 450 Series holders and stops are designed for medium to light-duty applications. They're ideal for openings that are subject to normal activity, providing protection for the door, frame, hinges and surrounding walls or obstructions.

Designed for improved compatibility with most door closers, all models incorporate popular channel/slide arm design and offset jamb brackets. The improved design makes it easier to change functions in the field, should user requirements change.

### 450H Series hold-open

(Suffix H) These models conveniently hold doors open at a predetermined position, permitting unobstructed traffic flow.

These models feature an adjustable automatic hold-open that is activated when the door is opened to a preset angle. The hold-open tension can be adjusted using an allen wrench through the end of the slider located in the channel at the top of the door. Each meets the 250,000 test cycles required for Grade 1 classification.

### 450S Series stop-only

(Suffix S) When the hold-open function is not required, the stop-only function provides the same effective door control without keeping the door held open. The stop-only model may be used on fire doors.

### 450F Series friction hold-open

(Suffix F) Friction hold-open models provide an alternative holding method ideal for patient room doors, wardrobe or closet doors, or similar applications where multiple hold-open positions are desired. The friction tension can be adjusted using an allen wrench on the slider located in the channel at the top of the door.

### 450SE Series special stop-only

(Suffix SE) When stop-only models are used in conjunction with single point hold-open electronic door closers, the function may be ordered without the shock absorbing mechanism. Used as an auxiliary stop with these closers, they will prolong the life of the closer. The stop location is adjusted using an allen wrench on the stop block located in the channel. The SE option cannot be added to an existing unit. It must be factory ordered.

Note: Caution should be taken when using this option in other applications, as the elimination of the shock-absorbing spring can put added stress on the door and frame.

## Application information

### Closer applications

Glynn-Johnson 450 Series models require minimal door and frame preparation. They may be used in conjunction with most surface-applied door closers. In some cases, optional drop brackets may need to be mounted on the closers. These brackets are available from the closer manufacturer.

### UL classification

The 450 Series stop-only models are classified by Underwriters Laboratories (UL) as miscellaneous fire door accessories. This classification applies to use on either hollow metal fire doors or wood fire doors. These units may be used on doors of any rating. As a reminder, the miscellaneous fire door accessories (GVUX) section is defined by UL as: "Miscellaneous fire door accessories are intended in the individual listings. The accessories have been investigated to determine that when installed in accordance with the manufacturer's instructions, the accessories do not adversely affect the fire rating of the fire door and/or fire door frames."

### Dead-stop templating

For situations where a wall or similar obstruction is in place at an opening angle of 110° or less (e.g. doors

that open back-to-back), dead stop templating should be used. This includes all hold-open, Friction and stop-only models, except when the "SE" option is used.

The dead stop position is reached when the shock-absorbing spring is fully compressed, allowing an initial degree of opening of 5° to 7° less than the dead stop opening.

Example: If the holder is templated to a 100° dead stop, the door will hold open at an angle between 93° and 95° but no further than 100°.

Note: Do not use dead-stop templating on the 450SE Series since there is no shock-absorbing spring.

### Environmental conditions

To assure a long operating life for holders and stops, consider the environment where they will be used. Doors that open to the exterior of a building or are subject to corrosive conditions should have a holder constructed primarily of stainless steel, brass or bronze materials. For interior doors, steel material may be acceptable, although brass and bronze substrates will provide a more attractive architectural grade finish.

### Heavy-use applications

Where doors and frames are subject to heavy use and abuse, a heavy-duty holder or stop should be considered. Also heavy-duty units should be considered on exterior doors subject to wind.

## Options

### Suffix J (angle jamb bracket)

An additional option on the 450 Series is the angle jamb bracket for hinge-side or flush transom mounting. The angle jamb bracket affixes to the standard jamb bracket. If ordered with the overhead add suffix J. If needed separately order 450J-finish.

### Suffix SHIM (blade stop shims)

Shim kits are available in 3 sizes:

450 SHIM1 is a  $\frac{3}{16}$ " shim kit

450 SHIM2 is a  $\frac{3}{8}$ " shim kit

450 SHIM3 is a  $\frac{9}{16}$ " shim kit

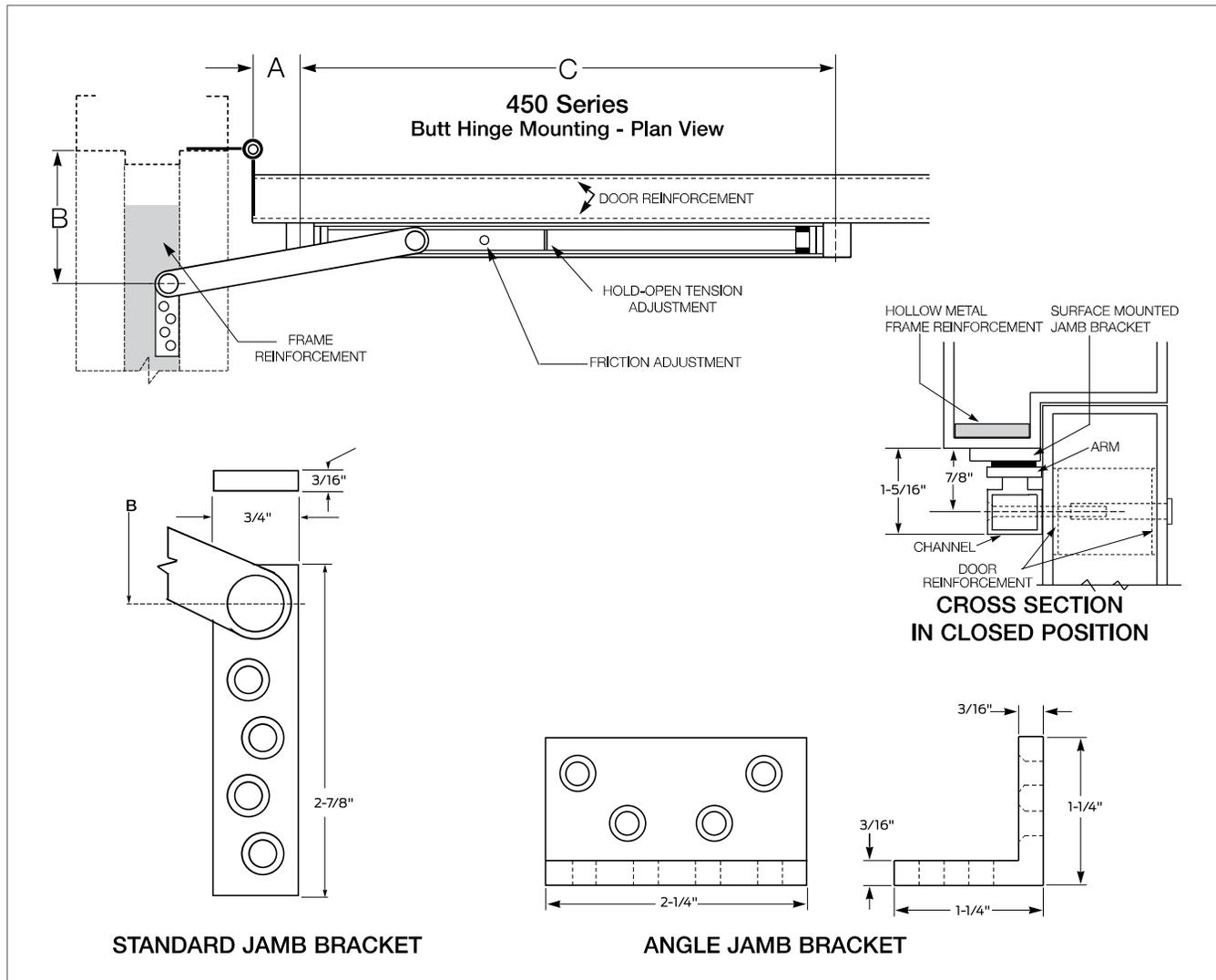
If ordered with overhead, add suffix SHIM (1, 2 or 3).

If needed separately order 450SHIM (1, 2 or 3)—finish.

### Suffix SOC (Pin-in-socket security screw package)

A screw package with pin-in-socket screws for mounting the channel to the door and the jamb bracket to the frame is provided instead of the standard screw package.

# 450 Series surface overhead door holders/stops



## 450 Series sizing chart

### Butt/offset pivots

Size	Door opening	Stop only	Hold open	Friction
1	18" - 23"	451S	451H	451F
2	23 1/16" - 27"	452S	452H	452F
3	27 1/16" - 33"	453S	453H	453F
4	33 1/16" - 39"	454S	454H	454F
5	39 1/16" - 45"	455S	455H	455F

### Center hung

Door opening	Stop only	Hold open	Friction
23 1/16" - 27"	451S	451H	451F
27 1/16" - 33"	452S	452H	452F
33 1/16" - 39"	453S	453H	453F
39 1/16" - 45"	454S	454H	454F
45 1/16" - 51"	455S	455H	455F

## BHMA/ANSI, A156.8 and Fed. spec. cross reference

G-J model	BHMA*	Fed. spec.
451-455 H	C05511	1166
451-455 S	C05541	1166A
451-455 F	C05531	1164

\* First numeral (0) designates optional material.

To specify:  
 Brass/bronze material, change 0 to 1 (i.e. C15511)  
 Stainless steel material, change 0 to 5 (i.e. C55511)  
 Steel material, change 0 to 8 (i.e. C85511)

Note: This chart illustrates the most common types of hinging and door opening sizes. For unusual door details, contact Glynn-Johnson for availability.

The template information on this page is for reference only and is not intended to serve as an installation template. For more information, reference the Template Directory in the Document Library at [us.allegion.com](http://us.allegion.com).



## How to order

	<b>45</b>	<b>1</b>	<b>H</b>	-	<b>US32D</b>	-	<b>J</b>
<b>Overhead Series:</b>							
<b>45</b>							
<b>Size (door opening using butt or offset pivots):</b>							
<b>1</b>	(18" - 23")						
<b>2</b>	(23 1/16" - 27")						
<b>3</b>	(27 1/16" - 33")						
<b>4</b>	(33 1/16" - 39")						
<b>5</b>	(39 1/16" - 45")						
<b>Function:</b>							
<b>H</b>	Hold-open						
<b>F</b>	Friction hold-open						
<b>S</b>	Stop-only						
<b>SE</b>	Special stop-only						
<b>Finishes:</b>							
<b>US3</b>	Polished brass						
<b>US4</b>	Satin brass						
<b>US10</b>	Satin bronze						
<b>US10B</b>	Oil rubbed bronze						
<b>US32</b>	Polished stainless						
<b>US32D</b>	Satin stainless steel						
<b>SP4</b>	Powder coat brass						
<b>SP10</b>	Powder coat bronze						
<b>SP28</b>	Powder coat aluminum						
<b>SP313</b>	Powder coat dark bronze						
<b>SPBLK</b>	Powder coat black						
<b>652</b>	Chrome-like coating						
<b>Options:</b>							
<b>J</b>	Angle jamb bracket						
<b>SHIM</b>	Blade stop shims						
	SHIM 1 3/16" kit						
	SHIM 2 3/8" kit						
	SHIM 3 9/16" kit						
<b>SOC</b>	Pin-in-socket security screws						

# 9500 Surface Mounted Electric Strike

Works with rim exit devices up  
to 3/4" throw Pullman latchbolt



## The durable, fire rated surface mounted solution.

The 9500 Series Electric Strike is a three hour fire rated, surface mounted electric strike designed to accommodate rim exit devices with a 3/4" throw Pullman latchbolt. All components are completely encased within its 3/4" thick stainless steel housing, so no cutting on the frame is required for installation. Simply place the electric strike on the surface of the frame, align it with the exit latchbolt and install. Adjustments have never been easier as the base is now separate from the cover.

The 9500 exceeds Grade 1 standards for strength and performance. It is field selectable for fail safe / fail secure operation, and for 12 or 24 VDC. This unique electric strike complies with NFPA 80-07 guidelines for retrofit into fire rated frames.

## Features

### Standard Features

- Installs in metal or wood frames (wood screws not included)
- Separate base and decorative cover for easy adjustments
- Stainless steel construction
- Tamper resistant
- Static strength 1,500 lbs
- Dynamic strength 70 ft-lbs
- Endurance 1 million cycles
- Field selectable fail safe/fail secure
- Horizontal adjustability
- Non-handed
- Internally mounted solenoid
- Accommodates up to 3/4" [19mm] Pullman latch
- SecuriCare five-year, no-fault, no questions asked warranty (*Addition of SMART Pac® III extends the warranty to 10 years*)

### Optional Features

- **LBM** Latchbolt monitor
- **LBSM** Latchbolt strike monitor

### Accessories

- **9000-116-XXX** 1/16" Spacer plate (Available in 613E, 628E, 630 & BSP finishes)
- **9000-108-XXX** 1/8" Spacer plate (Available in 613E, 628E, 630 & BSP finishes)
- **9000-MTK** Metal template kit
- **SMB** Surface mounting box
- **2001M** Plug-in bridge rectifier
- **2004M** ElectroLynx® adapter
- **2005M3** SMART Pac® III
- **2006M** Plug-in buzzer



Grade 1

SecuriCare  
WarrantyRim Exit  
DevicesField Selectable  
(Fail secure  
/Fail safe)Dual Voltage  
12/24

Fire Rated

Outdoor  
RatedBurglary  
Rated

ASSA ABLOY

## Specifications

### Certifications

- ANSI/BHMA A156.31, Grade 1
- UL 1034 burglary-resistant listed and suitable for outdoor use
- UL 294 listed
- UL 305 listed
- RoHS compliant
- UL 10C fire rated, 3-hour single door (fail secure only)
- CAN/ULC-S104 fire door conformant
- NFPA-252 fire door compliant
- ASTM-E152 fire door compliant
- California Fire Marshal listed
- NFPA 80-07 compliant
- WHI fire door listed

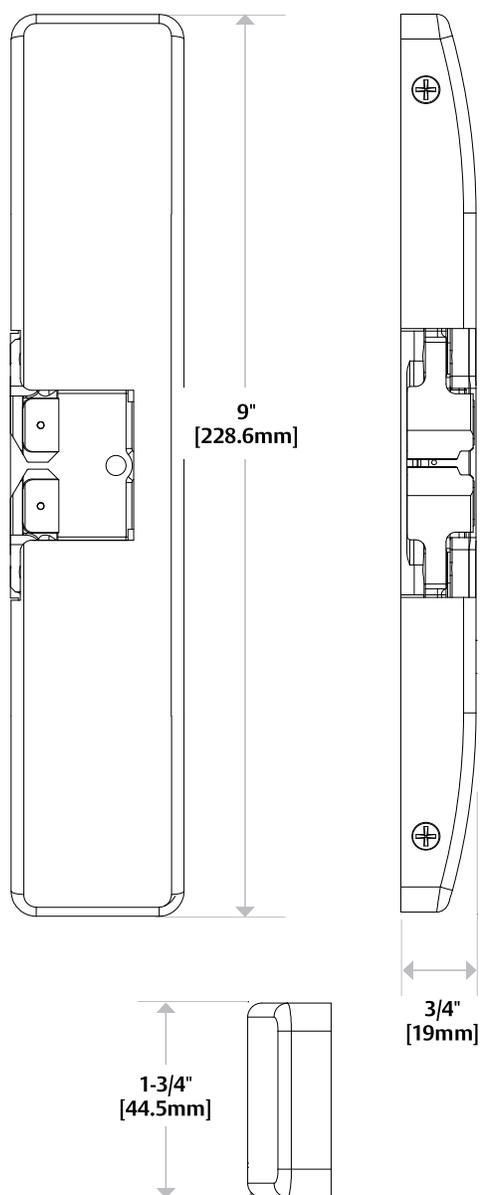
### Frame Application

- Metal
- Wood

### Electrical (DC Continuous Duty)

- Dual voltage 12/24 VDC
- 450 mA at 12 VDC/250 mA at 24 VDC

## Dimensions



## How to Order

SERIES	FINISH	OPTION (S)
<b>9500</b>	<b>- 630</b>	<b>- LBM</b>
<b>9500</b> Surface-Mounted Electric Strike for 3/4" Pullman Rim Exit Devices, fire rated; no faceplates required	<b>605</b> Bright Brass <b>606</b> Satin Brass <b>612</b> Satin Bronze <b>613</b> Bronze Toned <b>613E</b> Dark Oxidized Satin Bronze Powder <b>629</b> Bright Stainless Steel <b>630</b> Satin Stainless Steel	<b>LBM</b> Latchbolt Monitor <b>LBSM</b> Latchbolt Strike Monitor

NOTE: Electric strike compatibility is determined at time of electric strike product release. ASSA ABLOY is not responsible for incompatibility of products that have changed in design or craftsmanship by their respective manufacturers. When compatibility is a concern, contact Customer Support for application assistance.

# 5000 Electric Strike

Works with cylindrical locksets  
up to a 5/8" throw latchbolt

Also available in  
a Complete One  
Box Solution



## The Grade 1, low-profile solution for cylindrical locksets.

The 5000 Series Electric Strike is a compact, high performance electric strike designed for low profile openings where there is limited space behind the jamb. Its strength is derived from a unique keeper pin locking design, enabling the 5000 to exceed the ratings of the frame, door and locking hardware. This field selectable fail safe/fail secure unit is easy to install and accommodates latchbolts up to 5/8" throw.

## Features

### Standard Features

- Tamper resistant
- Static strength 1,500 lbs
- Dynamic strength 70 ft-lbs
- Endurance 1 million cycles
- Field selectable fail safe/fail secure
- Non-handed
- Internally mounted solenoid
- Accommodates 1/2" – 5/8" [12.7mm – 15.9mm] latchbolt (5/8" [15.9mm] with 1/8" [3.2mm] door gap)
- Strike body depth 1-1/16" [27.3mm]
- Plug-in connector
- Trim enhancer included
- SecuriCare five-year, no-fault, no questions asked warranty (*Addition of SMART Pac® III extends the warranty to 10 years*)

### Optional Features

- **LBM** Latchbolt monitor

### Accessories

- **150** Strike latch guard
- **HESCUT-MTK** Metal template kit
- **2001M** Plug-in bridge rectifier
- **2004M** ElectroLynx® adapter
- **2005M3** SMART Pac® III
- **2006M** Plug-in buzzer
- **5104-1/2** 1/2" [12.7mm] stackable lip extension
- **5104-1** 1" [25.4mm] stackable lip extension
- **5104-1-1/4** 1-1/4" [32mm] stackable lip extension



Grade 1



SecuriCare  
Warranty



Cylindrical  
Locksets



Field Selectable  
(Fail secure  
/Fail safe)



Dual Voltage  
12/24



PoE  
Friendly



Outdoor  
Rated



Burglary  
Rated

h.e.s.

ASSA ABLOY

## Specifications

### Certifications

- ANSI/BHMA A156.31, Grade 1
- UL 1034 burglary-resistant listed and suitable for outdoor use
- UL 294 listed
- RoHS compliant

### Frame Application

- Metal
- Wood

### Electrical (DC Continuous Duty)

- Dual voltage 12/24 VDC/VAC
- 240 mA at 12 VDC/120 mA at 24 VDC
- PoE friendly

## Dimensions

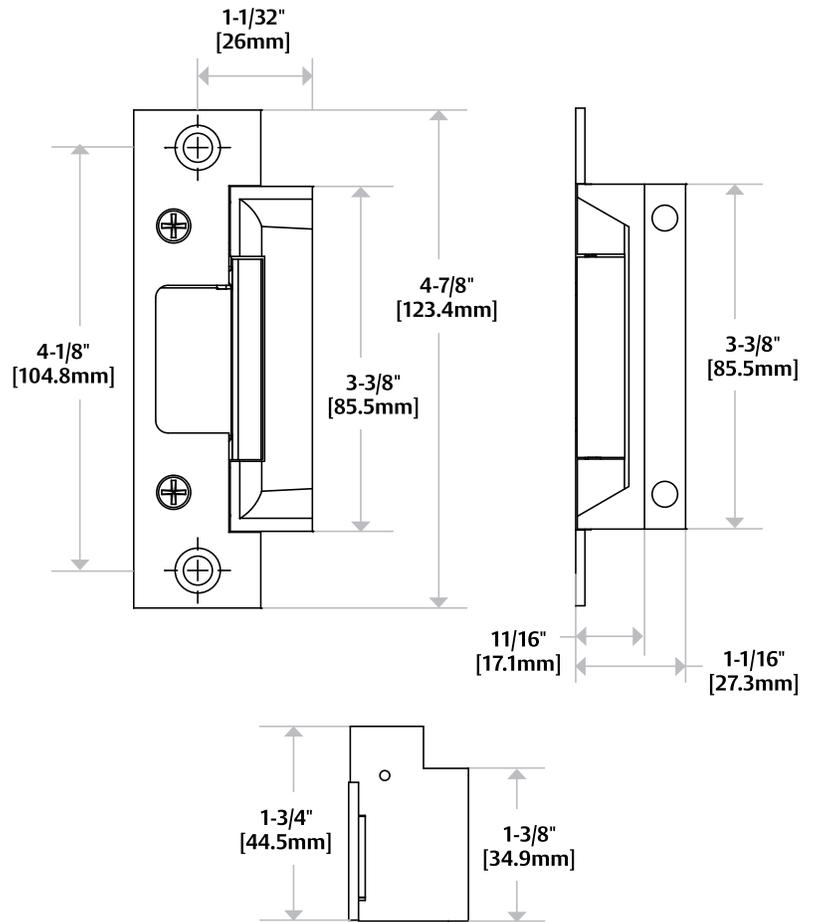


Diagram shown with 501 Option

## How to Order

SERIES	MODEL	FINISH	OPTION (S)
<b>5000</b>	—	<b>— 630</b>	<b>— LBM</b>
5000 Universal Electric Strike; faceplates ordered separately	C* Complete Electric Strike; includes the 501 and 501A faceplates	605 Bright Brass 606 Satin Brass 612 Satin Bronze 613 Bronze Toned 629 Bright Stainless Steel 630 Satin Stainless Steel BLK Black	(blank) No Monitor LBM Latchbolt Monitor

\*Complete Pacs are only available in the 630 finish

NOTE: Electric strike compatibility is determined at time of electric strike product release. ASSA ABLOY is not responsible for incompatibility of products that have changed in design or craftsmanship by their respective manufacturers. When compatibility is a concern, contact Customer Support for application assistance.

# 9400 Surface Mounted Electric Strike

*Works with rim exit devices  
up to 1/2" throw latchbolt*



## The slim-line, surface mounted solution.

The 9400 Series Electric Strike is a slim-line, surface mounted electric strike designed to accommodate rim exit devices with a 1/2" throw Pullman latchbolt. All components are completely encased within its 1/2" thick stainless steel housing, so no cutting on the frame is required for installation. Simply place the electric strike on the surface of the frame, align it with the exit latchbolt, and install.

An 1/8" spacer plate is provided to accommodate varying door gaps. The 9400 exceeds Grade 1 standards for strength and performance. It is field selectable for fail safe/fail secure operation, and for 12 or 24 VDC. The 9400 features a smooth cover to conceal the mounting screws and provide a sleek surface for superior looks.

## Features

### Standard Features

- Installs in metal and wood frames
- Wood screws not provided
- One 1/8" [3.2mm] spacer plate included
- Decorative cover for sleek look
- Stainless steel construction
- Tamper resistant
- Static strength 1,500 lbs
- Dynamic strength 70 ft-lbs
- Endurance 1 million cycles
- Field selectable fail safe/fail secure
- Horizontal adjustability
- Non-handed
- Internally mounted solenoid
- Accommodates up to 1/2" [12.7mm] Pullman latch
- SecuriCare five-year, no-fault, no questions asked warranty (*Addition of SMART Pac® III extends the warranty to 10 years*)

### Optional Features

- **LBM** Latchbolt monitor
- **LBSM** Latchbolt strike monitor

### Accessories

- **9000-116-XXX** 1/16" Spacer plate (Available in 613E, 628E, 630 & BSP finishes)
- **9000-108-XXX** 1/8" Spacer plate (Available in 613E, 628E, 630 & BSP finishes)
- **9000-MTK** Metal template kit
- **SMB** Surface mounting box
- **2001M** Plug-in bridge rectifier
- **2004M** ElectroLynx® adapter
- **2005M3** SMART Pac® III
- **2006M** Plug-in buzzer
- **9000-ASB-XXX** Aluminum Spacer Bracket (available 613E, 628E, 630 & BSP finis)
- **BN-250** 1/4-20 Blind Nuts



Grade 1

SecuriCare  
WarrantyRim Exit  
DevicesField Selectable  
(Fail secure  
/Fail safe)Dual Voltage  
12/24Outdoor  
RatedBurglary  
Rated

### Spacer Plate Included

The 9400 ships with one 1/8" [3.2mm] spacer plate included in the box. Units ordered in a 630 finish are stainless steel. All other finishes have a black suede powder stainless steel spacer. Additional black spacer plates can be ordered as an accessory.



## Specifications

### Certifications

- ANSI/BHMA A156.31, Grade 1
- UL 1034 burglary-resistant listed and suitable for outdoor use
- UL 294 listed
- UL 305 listed
- RoHS compliant

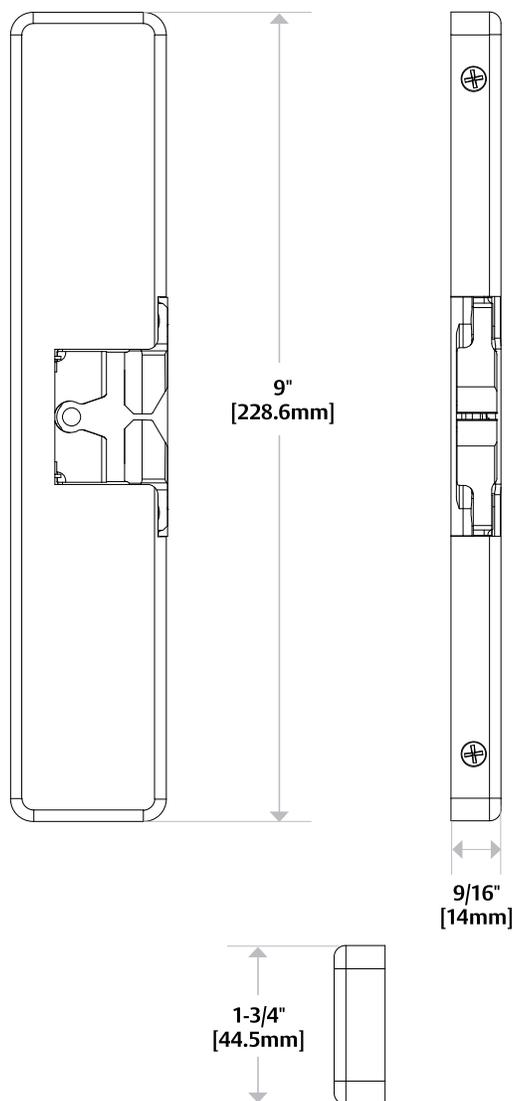
### Frame Application

- Metal
- Wood

### Electrical (DC Continuous Duty)

- Dual voltage 12/24 VDC
- 450 mA at 12 VDC/250 mA at 24 VDC

## Dimensions



## How to Order

SERIES	FINISH	OPTION (S)
<b>9400</b>	<b>- 630</b>	<b>- LBM</b>
9400 Surface-Mounted Electric Strike for 1/2" Pullman Rim Exit Devices; no faceplates required	605 Bright Brass	LBM Latchbolt Monitor
	606 Satin Brass	LBSM Latchbolt Strike Monitor
	612 Satin Bronze	
	613 Bronze Toned	
	613E Dark Oxidized Satin Bronze Powder	
	629 Bright Stainless Steel	
	630 Satin Stainless Steel	
BSP Black Suede Powder		

NOTE: Electric strike compatibility is determined at time of electric strike product release. ASSA ABLOY is not responsible for incompatibility of products that have changed in design or craftsmanship by their respective manufacturers. When compatibility is a concern, contact Customer Support for application assistance.

# 1500 Electric Strike

*Works with most brands of cylindrical and mortise locksets without a deadbolt*



Also available in a Complete One Box Solution

The most advanced, modular electric strike that works with most brands of cylindrical or mortise locks designed to work with a 4-7/8" strike plate.

The 1500 Series Electric Strike sets a new standard in the industry by offering dynamic integrated adjustability and field configurable options compatible with any cylindrical or mortise lock. The modular design of the platform makes stocking and installing easier with interchangeable faceplates and accessories. For the first time, the aesthetics of an electric strike are complementary to other surrounding door hardware and blend in with the opening due to the fully finished design, available in eight finishes.

## Features

### Standard Features

- Stainless steel construction
- Tamper resistant
- Static strength 1,500 lbs
- Dynamic strength 70 ft-lbs
- Endurance 1 million cycles
- Field selectable fail safe/fail secure
- Non-handed
- Interchangeable faceplates and accessories
- Field replaceable components
- Fully finished faceplate, keeper, case and trim
- Field adjustable integrated shim
- Strike body depth 1-3/8" [34.9mm]
- SecuriCare ten-year, no-fault, no questions asked warranty

### Optional Features

- **LM** Lock monitor
- **DLM** Dual lock monitors
- **LMS** Lock monitor and strike monitor
- **DLMS** Dual lock monitors and strike monitor

### Accessories

- **157** Torx screws
- **HESCUT-MTK** Metal template kit
- **1500-104-xxx** Lip extension trim adapter (finish to match)
- **1500-106-xxx** 4500 adapter and trim enhancer kit (finish to match)
- **OPT-1SRK** Spring replacement kit
- **OPT-1LM** Single lock monitor
- **OPT-1DLM** Dual lock monitors
- **MOD-1SOL** Solenoid replacement module



Grade 1    SecuriCare 10 Year Warranty    Mortise Locks without Deadbolt    Cylindrical Locksets    Field Selectable (Fail secure /Fail safe)    Dual Voltage 12/24    PoE Friendly    Fire Rated    Windstorm Resistant    Outdoor Rated    Burglary Rated

## Specifications

### Certifications

- ANSI/BHMA A156.31, Grade 1
- UL 1034 burglary-resistant listed and suitable for outdoor use
- UL 294 listed
- RoHS compliant
- UL 10C fire rated, 3-hour single door (fail secure only)
- UL 10C fire rated, 1-1/2 hour double door (fail secure only)
- CAN/ULC-S104 fire door conformant
- NFPA-252 fire door compliant
- ASTM-E152 fire door compliant
- California Fire Marshal listed
- ANSI/SDI A250.13 windstorm resistant
- Florida Building Code approved TAS 201, 202, 203
- ANSI-ASTM E330
- Sustainability documentation

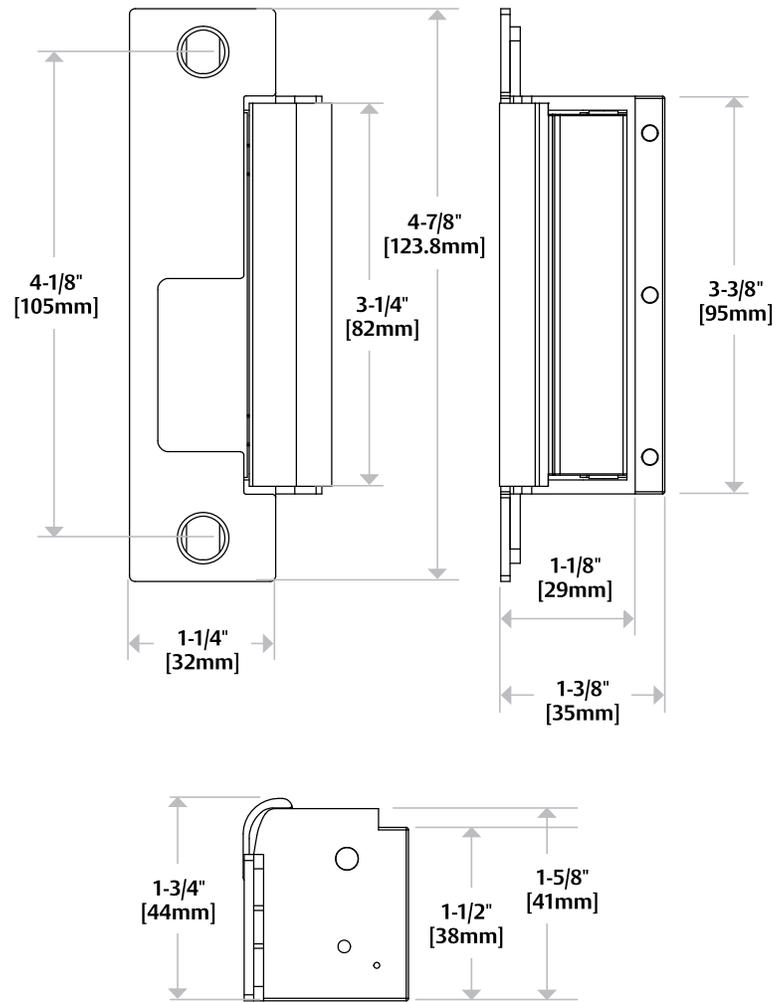
### Frame Application

- Metal
- Wood

### Electrical (DC Continuous Duty)

- Dual voltage 12/24 VDC/VAC
- 240 mA at 12 VDC/120 mA at 24 VDC
- PoE friendly

## Dimensions



## How to Order

SERIES	MODEL	FINISH*	OPTION(S)**
<b>1500</b>	—	<b>— 630</b>	<b>— LM</b>
<b>1500</b> Universal Electric Strike; faceplate option kits ordered separately	<b>C*</b> Complete Electric Strike; includes 1LB faceplate kit for latchbolts	<b>605</b> Bright Brass <b>606</b> Satin Brass <b>612</b> Satin Bronze <b>613</b> Bronze Toned <b>613E</b> Dark Oxidized Satin Bronze Powder <b>629</b> Bright Stainless Steel <b>630</b> Satin Stainless Steel <b>BSP</b> Black Suede Powder	<b>(blank)</b> No Monitor <b>LM</b> Lock Monitor <b>DLM</b> Dual Lock Monitor <b>LMS</b> Lock Monitor and Strike Monitor <b>DLMS</b> Dual Lock Monitors and Strike Monitor

\*Complete Pacs are only available in the 630 finish \*\*LMS/DLMS factory installed only option.

NOTE: Electric strike compatibility is determined at time of electric strike product release. ASSA ABLOY is not responsible for incompatibility of products that have changed in design or craftsmanship by their respective manufacturers. When compatibility is a concern, contact Customer Support for application assistance.

# Mullions: Aluminum, Steel and Electrified

80 Series

**SARGENT**  
**ASSA ABLOY**

## Aluminum Mullions

Product Designation	650A	980	L980
Description	Removable	Removable	Lockable
Material	Aluminum	Aluminum	Aluminum
Standard Finish	US28/Satin Anodized Aluminum	Prime Coat	Aluminum Prime Coat
Options	Specify "650A x 10B" for 313AN to match 10B	Specify "980A" for Anodized US28/Satin Aluminum	Specify: "L980A" Anodized Aluminum Specify: "L980A x10B" for 313AN to match 10B
Stk Size	96"	86"	86"
Max Stk Height	120"	120"	120"
Pre-prepped	658 Strikes Included	No	No
Cylinder Size	Not Required	Not Required	#41
Shape	1-1/2" x 2-1/2"	T Shaped 2-1/2" x 3"	T Shaped 2-1/2" x 3"
Misc. Information and Accessories	Includes 651 Stabilizers and imbedded Weather Stripping Top Retainer 94-2050 Bottom Retainer 94-2051	Top Retainer - 511 Bottom Retainer - 502 Adapter for narrow transom: 507 - Aluminum Prime Coated 507A - Anodized Aluminum	All Cylinder Options Available Wall Mount Kit 98-2578 Top Ret Pack 98-2526 Bottom Ret Pack 98-2525 Cylinder Kit 980C1*

## Electrified

EL980
Electrical Lockable
Steel
Gray Paint
Wall Mounting Kit: 98-2580 Top Ret Pack :98-2558 Bottom Ret Pack: 98-2556
86"
120"
No
#46 Only
Rectangular 2" x 3"
For use with Electric Strikes and Monitoring, Quick Connect Wiring Supplied Cylinder Kit 980C2*

\*Note: Cylinder Kits must be ordered separately

## Steel Mullions

Product Designations	HC980	980S	L980S	HCL980	12-HD980
Description	Hurricane Code	Standard Mullion	Lockable	Lockable Hurricane Code	Heavy Duty
Material	Steel	Steel	Steel	Steel	Steel
Fire Rated	Specify 12-HC980	Specify 12-980	Specify 12-L980	Specify 12-HCL980	Specify 12-HD980
Fire Rated Max Height	96"	96"	96"	96"	120"
Finish	Gray Paint	Gray Paint	Gray Paint	Gray Paint	Gray Paint
Stk Size	86"	86"	86"	86"	120"
Max Stk Height	96"	120"	120"	96"	120"
Pre-prepped	No	No	No	No	No
Cylinder Size	Not Required	Not Required	#41 Std (#42 & #43 available)	#41 Std (#42 & #43 available)	Not Required
Shape	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"
Misc. Information	Designed for severe wind load conditions due to hurricanes or windstorms. Tested to Dade County Protocols & ASTM Standards	For 12-8800 - Channel Iron & Malleable iron top & bottom retainers. Mullions longer than 86" must be ordered as 12-option x 120" length and cut to size in the field. Fire rating is valid only up to 96"	Fire rated for 8'0" x 8'0" paired openings Mullions longer than 86" must be ordered as 12- option x 120" length and cut to size in the field. Fire rating is valid only up to 96"	See Notes Below	12-HD980 is for pair of doors over 8'0" to 10'0" for use with 12-8800 Rim Exits includes two piece strikes
Accessories	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601	Top Ret Pack - 98-2190 Bottom Ret Pack - 98-2191 Top Retainer Shim Kit - 601	Wall Mounting Kit - 98-2579 Top Ret Pack - 98-2559 Bottom Ret Pack - 98-2556 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*	Top Retainer Pack: 98-2593 Bottom Retainer Pack: 98-2594 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601

\*Note: Cylinder Kits must be ordered separately

### Note for HC980/12-HC980 Mullions:

- Designed for severe wind load conditions due to hurricanes or tornadoes
- Tested to Dade County protocols and ANSI 250.13 ASTM Standards and FEMA 361
- 12- Fire labeled version
- Replacement lock kits are available for lockable mullions  
Part numbers for each model are listed in the price book

### HCL980 Mullion Information

- Model 12-HC-L980 may be supplied for doors UL fire rated up to and including 3 hrs not exceeding 8 ft in width and height
- Meets the following standards: ANSI 250.13, ASTM E330, ASTM 1886, ASTM 1996, TAS 201, TAS 202 & TAS 203
- Designed for use with UL Classified HC8810, HC8800 and 12-HC8800 rim exit devices

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**68**

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# Mullion Accessories and Stabilizers

80 Series

**SARGENT**  
**ASSA ABLOY**

## Mullion Accessories

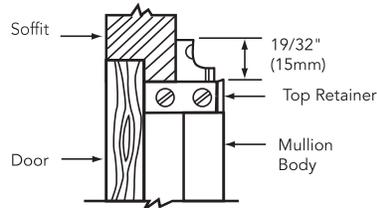
### RK980

Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion



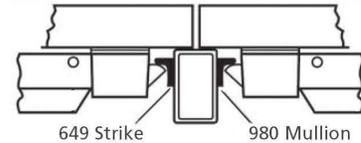
## 507 Narrow Transom Bars Adapter

- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide
- Order as a: 507 for 980 mullion or 507A for 980A mullion



## 980S Mullion Application

- All steel mullions are 2" x 3"

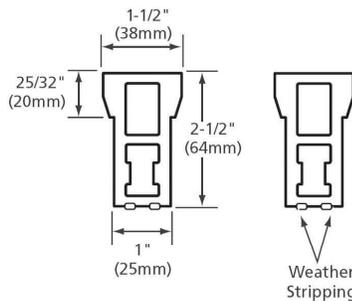


## 651 Mullion Stabilizer Kit

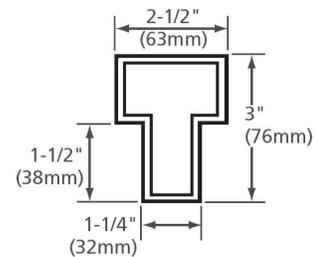


- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

## 650A Mullion



## 980 Mullion & L980 Lockable Mullion

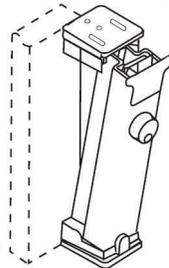


## 980C1 Cylinder Mullion Kit



- Lockable mullions only
- Aluminum and steel
- Includes cylinder and collar
- Available in 26D & 10B finish

## Lockable Mullion



## Lockable Mullion Cylinder Kit Options\*

L980, L980A, L980S & HC-L980 mullions are available with these options: 10, 10-21-, 10-63-, 11-, 11-21-, 11-60, 11-63-, 11-64-, 11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-, 22-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, F1-82-, 83-, F1-83-, 84-, SC- & SE-.

## EL980 mullion is available with these options:

10, 10-21-, 10-63-, 11-, 11-21-, 11-60, 11-63-, 11-64-, 11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-, 22-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82- & F1-82-.

\*Lockable mullions are shipped without cylinders. Order Cylinder Mullion Kit separately.

## 980C2 Cylinder Mullion Kit



- Lockable mullions
- Electrified only
- Includes cylinder and collar
- Available in 26D finish only

## Mullion Weights & Packaging

Product	Avg Wt	Case
Exit Device with Trim	15 lbs	1 ea
980 Mullion	18 lbs	1 ea
12-980 Mullion	40 lbs	1 ea
650A Mullion	18 lbs	1 ea
SM980S Split Mullion	40 lbs	1 ea

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90641 08/24

# Finishes and Finish Care

## 80 Series

### Finish

SARGENT#	BHMA#	Description	How to clean	Avoid these cleaners
3	605	Polished brass, clear coated	Mild non-abrasive detergent with damp cloth or sponge	Abrasives cleaners, bleach solvents, steel or bronze wool
4	606	Satin brass, clear coated		
9	611	Polished bronze, clear coated		
10	612	Satin bronze, clear coated		
BSP	—	Black Suede Powder Coat		
10B	613	Oxidized bronze, oil rubbed	Lemon oil polished with dry cloth	Abrasives cleaners, bleach solvents, steel or bronze wool
10BE	613E	Dark oxidized satin bronze, equivalent		
10BL	613L	Oxidized satin, bronze, clear coated	Mild non-abrasive detergent with damp cloth or sponge	Abrasives cleaners, bleach solvents, steel or bronze wool
14*	618*	Polished nickel, clear coated		
15*	619*	Satin nickel, clear coated		
20D	624	Statuary dark bronze, clear coated		
26*	625*	Polished chrome		
26D*	626*	Satin chrome		
32*	629*	Polished stainless steel		
32D*	630*	Satin stainless steel		
			Plastic pad or bronze wool	Cleaners, solvents, bleach, steel wool

\* Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

**Note:** FLW & FSW are NOT available in 32 or 32D

**Note:** Pulls and thumb piece trims are not available in 14, 15, 26 or 26D except FLW & FSW which are available in 14 and 15.

### Lock/Cylinder Finish

Device Finish	Cylinder/Core*
03, 04, 09, 10, 10B, 10BE, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D	15
BSP	BSP

\*Finish when cylinder provided with Device

### To avoid discoloration and pitting:

- Keep stainless steel away from contact with other metals
- Avoid cleaning with mineral acids or chlorine products
- Avoid cleaning with abrasive products like sandpaper or steel wool

### To maintain the finish:

- Remove any contamination before damage occurs
- Protect with a metal polish or car wax

# Column™ 9", 36" & 7536VR Series Push Plate Switches



Camden CM-75 Series Column™ switches offer greater user convenience and lower installation costs by providing a single activation device in place of two high/low switches, as required by a growing number of building codes across North America.

CM-75 Series Column™ switches feature solid aluminum or stainless steel construction and are available in a range of finishes, with the option for Kinetic™ no-battery wireless or Lazerpoint RF™ battery powered wireless transmitters.

CM-7536VR Series Column™ Switch with Sensor uses active infra-red technology to eliminate the spread of germs.

## Standard Features

- Low profile contoured design with easy activation from any angle
- Adjustable leveling screws for easy installation on uneven walls
- Exceeds state and provincial building code requirements
- Available with clear, bronze or blue anodized finishes, as well as stainless steel
- A wide selection of switch graphics

## 7536VR Features

- IR sensor provides stable and reliable operation
- Red/green light ring with switch or remote activation
- Adjustable sensor range 2" to 8" (5 cm to 20 cm)
- Adjustable sensor time delay (0.5 sec. to 20 sec.)
- Weather/water resistant sensor, IP65 rated



## SPECIFICATIONS

VOLTAGE:	<b>CM-7509/7536:</b> N/A <b>CM-7536VR:</b> 12-24 VDC +/- 10%
CONTACT TYPE:	<b>CM-7509/7536:</b> SPDT Momentary, Form 'C' <b>CM-7536VR:</b> Common / N.O. / N.C.
CONTACT RATING:	<b>CM-7509/7536:</b> 15 Amps @ 30 VDC <b>CM-7536VR:</b> 1 Amps @ 30 VDC
DIMENSIONS:	<b>CM-7509:</b> 5-7/8"W x 10-5/8"H x 1-1/2"D (150mm x 270mm x 38mm) <b>CM-7536:</b> 5-7/8"W x 37-1/2"H x 1-1/2"D (150mm x 953mm x 38mm) <b>CM-7536VR:</b> 5-7/8"W x 37-1/2"H x 1-1/2"D (150mm x 953mm x 38mm)

## MODELS

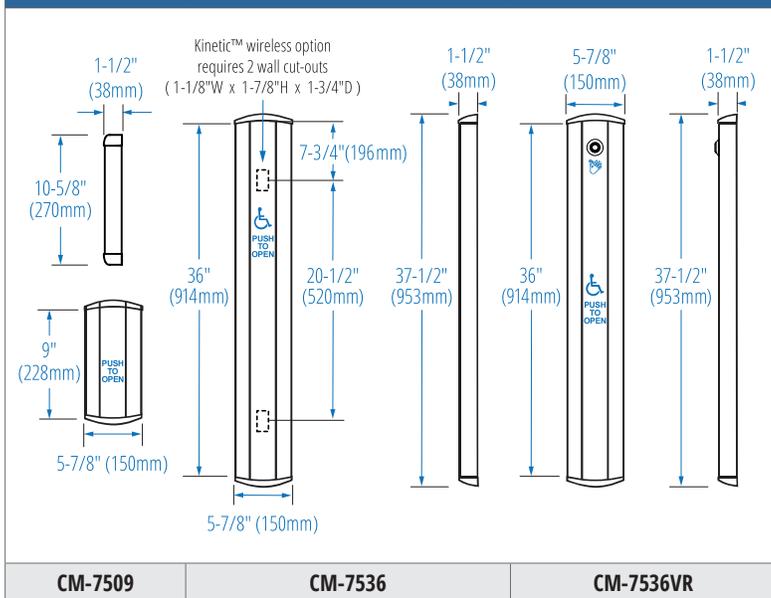
<b>CM-7509</b>	9" Tall Column™ Push Plate Switch, Anodized Aluminum, option for Bronze or Blue finish
<b>CM-7536</b>	36" Tall Column™ Push Plate Switch, Anodized Aluminum, option for Bronze or Blue finish
<b>CM-7536VR</b>	36" Tall Column™ Push Plate Switch with Hands Free Sensor, Anodized Aluminum, option for Bronze or Blue finish
<b>CM-7536SS</b>	36" Tall Column™ Push Plate Switch, Brushed Stainless Steel, US32 / 630
<b>CM-7536SSVR</b>	36" Tall Column™ Push Plate Switch with Hands Free Sensor, Brushed Stainless Steel, US32 / 630

## WATERPROOFING OPTION

<b>-WT</b>	Add '-WT' to Product # for Boot & Water Tight Coating
------------	---

Optional DPDT Switch. DPDT switches not available. Use Camden CX-IRB relay if required.

## DIMENSIONS



## 9" & 36" PUSH PLATE SWITCHES



## OPTIONAL ARCHITECTURAL FINISHES

<b>-BRZ</b>	Add Suffix '-BRZ' to Model # for Anodized Dark Bronze finish (BHMA 710, 313AN)
<b>-BLU</b>	Add Suffix '-BLU' to Model # for Anodized Blue finish

## OPTIONAL WIRELESS

<b>-K</b>	Add Suffix 'K' to Model # for (2) built-in Kinetic™ no-battery wireless transmitter switches.
<b>-TX</b>	Add Suffix '-TX' to Model # for (1) CM-TX-9 Lazerpoint RF™ wireless transmitter and alkaline battery pack, mounted in switch cap
<b>CM-RX90V2</b>	Kinetic™ and Lazerpoint RF™ compatible receiver

## GRAPHIC OPTIONS



Add 'F' to graphic option for French language

<b>CM-xx/1:</b>	CM-7536 only, not available with 'BRZ', 'BLU' or 'SS' finishes
<b>/2AL &amp; /2AR:</b>	Not available on stainless steel models
<b>/A2 &amp; /A4:</b>	Not available on stainless steel models
<b>/8B:</b>	Only available on aluminum models

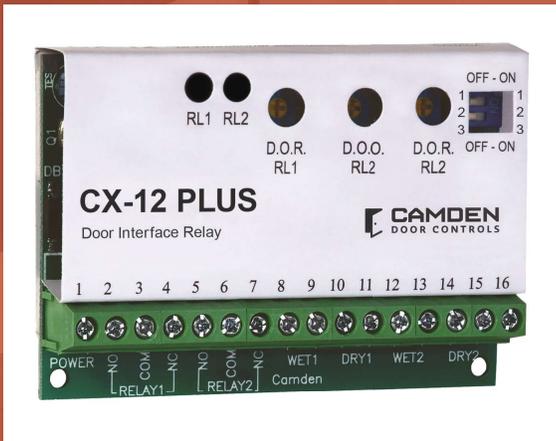
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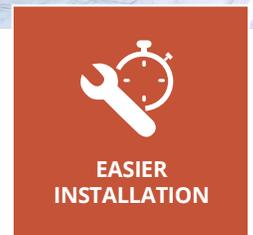


Part #: MKTG-LIT-SP-CM-75SERV4

# CX-12 PLUS Door Interface Relay



BEST VALUE



EASIER  
INSTALLATION

**CX-12 PLUS Door Interface Relay is an economical solution for interconnecting automatic doors with access control, fire alarm and time systems.**

This versatile relay is also designed to control two automatic doors in vestibule applications as well as control of automatic doors in basic restroom control applications.

CX-12 PLUS has eight built-in operating modes with delay-on-release and delay-on-operate time adjustment, and (2) heavy duty Form C relays.

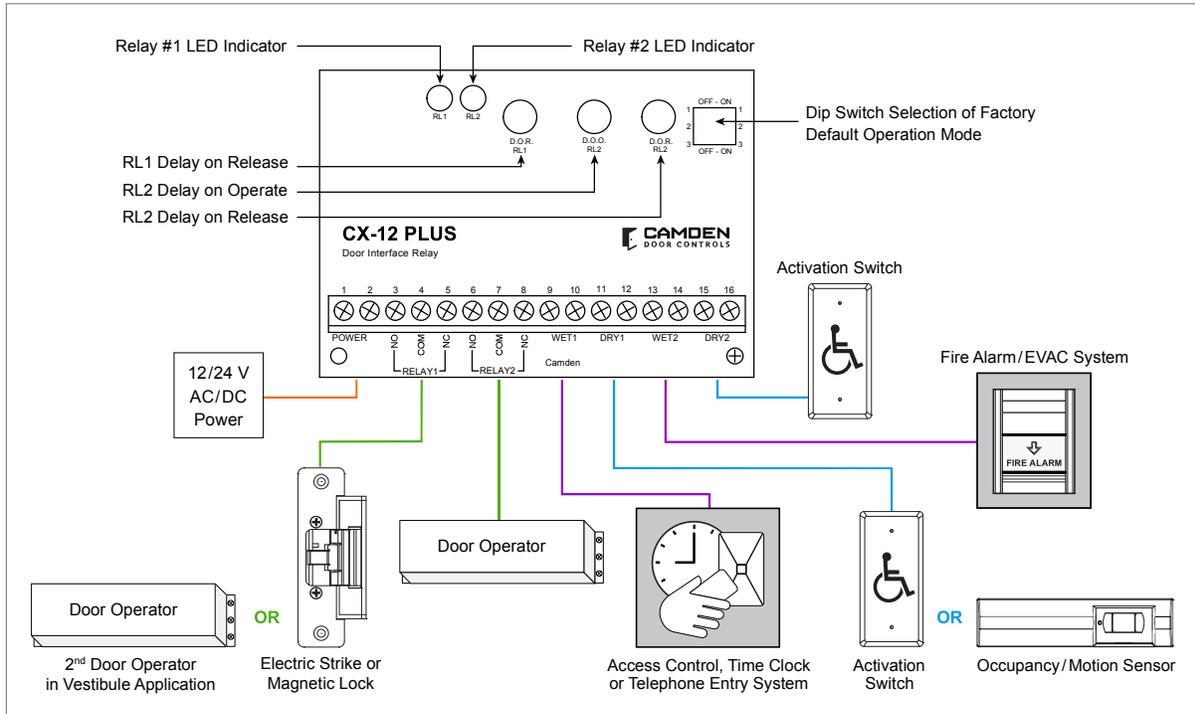
## Features

- Designed for easy interconnection of automatic doors with access control, time control, telephone entry and fire alarm systems
- Bi-directional sequencing of two door operators in vestibule applications
- New 'PLUS' feature supports basic restroom control (locked & unlocked)
- 8 Programming modes with (3) adjustable time delays, each up to 30 seconds
- (2) Dry, (2) Wet inputs, and (2) SPDT Form 'C' outputs
- Momentary, maintained and latching (ratchet or alternative action) relay operation
- Compact design fits anywhere



## APPLICATIONS

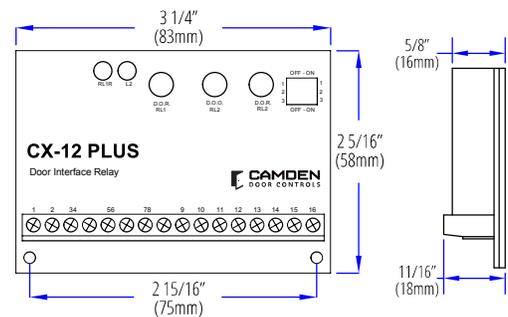
The CX-12 PLUS Interface Relay is ideal for control and integration of automatic doors utilizing electro-mechanical locks (including electric strikes and magnetic locks) in any commercial, institutional and multi-unit residential application. Operating modes support bi-directional sequencing of two vestibule doors, basic restroom control, both secured and unsecured, a maintained output for fire alarm integration, and a telephone entry panel input that simplifies wiring, and eliminates the need for an isolating relay.



## SPECIFICATIONS

VOLTAGE:	12/24V AC/DC	ELECTRICAL LIFE TIME:	100,000 @ Rated Capacity
CURRENT DRAW:	20 mA Idle	MODES:	8
	60 mA Operating	TIME DELAY	D.O.R. #1: 1-30 Seconds
RESPONSE TIME:	0.3 Seconds		D.O.O. #2: 1-30 Seconds
INPUTS:	2 Wet, & 2 Dry, N.O.	DIMENSIONS:	3-1/4"W x 2-5/16"H x 11/16"D
OUTPUTS:	2 x Form C (SPDT)		(83mm x 58mm x 18mm)
CONTACT RATING:	3 Amps @ 30V DC		

## DIMENSIONS



## ORDERING INFORMATION

### Door Interface Relay



#### CX-12PLUS

Door Interface Relay

(8) Programming modes with (3) adjustable time delays, each up to 30 seconds  
(2) Dry, (2) Wet inputs, and (2) SPDT Form 'C' outputs

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## SINGLE GANG MOUNTING BOXES

### CM-CPC1 Single Gang

**Type:**

Clear plastic protection cover

**Construction:**

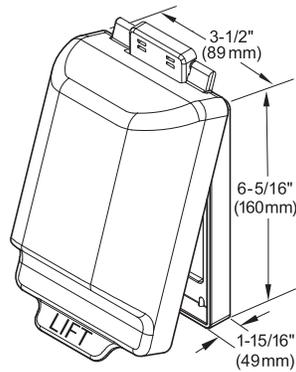
Molded polycarbonate

**Application:**

Indoor / outdoor

**For Switch Series:**

Any Camden single gang flush mounted Push/Exit Switch, Keypad/Key Switch



### CM-RH-SG Single Gang

**Type:** Flush mount rain hood

**Construction:**

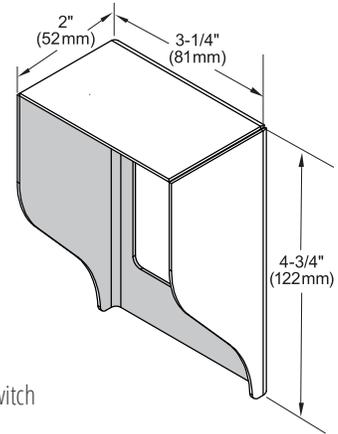
Heavy gauge stainless steel

**Application:**

Foam gasket between hood and mounting surface on irregular surfaces

**For Switch Series:**

Any Camden single gang flush mounted Push/Exit Switch, SureWave™ Switch, Keypad/Key Switch



## DOUBLE GANG / SQUARE MOUNTING BOXES - SURFACE

### CM-43LP Double Gang, 2 Pieces, Shallow

**Type:** Surface mount box

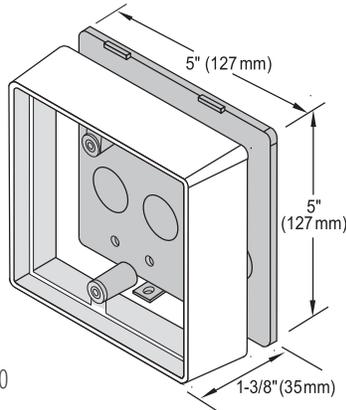
**Construction:** Provision for wireless, flame & impact resistant black polymer (ABS)

**Application:**

Indoor / outdoor

**For Switch Series:**

CM-41, CM-45, CM-46.  
Add suffix 'A' for use with CM-324 / 325 / 330 Series double gang Hands Free Switches.  
Add suffix 'B' for use with CM-2520 double gang vestibule switches



### CM-43CBL / CBLA 5" Square, Standard Depth

**Type:** Surface mount box

**Construction:**

Flame & impact resistant black polymer (ABS)

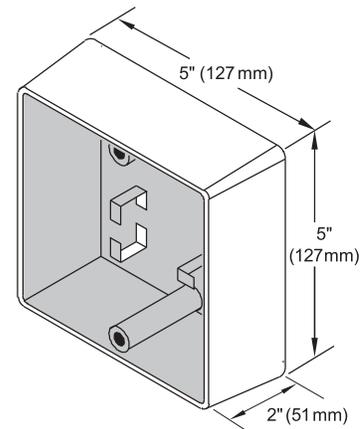
**Application:**

Indoor / outdoor, wired.  
Required for wireless.

**For Switch Series:**

CM-41, CM-45, CM-46  
CM-43CBLA: surface box for CM-324 / 325 / 336W switches

**Cover Plate:** CM-43CP



### CM-53 5" Square, Standard Depth

**Type:**

Surface mount box

**Construction:**

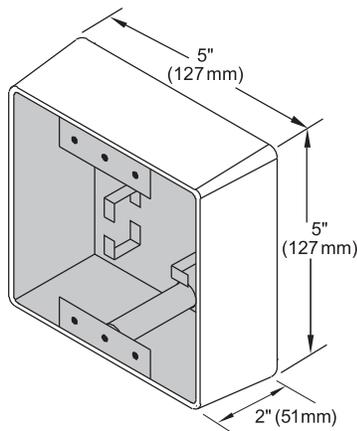
Flame & impact resistant black polymer (ABS)

**Application:**

Indoor / outdoor, for double gang switches and vestibule switches

**For Switch Series:**

CM-500, CM-2510, CM-2520, CM-3200, CM-3500



### CM-54i 5-1/4" Square, Standard Surface Depth

**Type:** AURA™ Illuminated surface box - CM-54i: Green/Red

**Construction:**

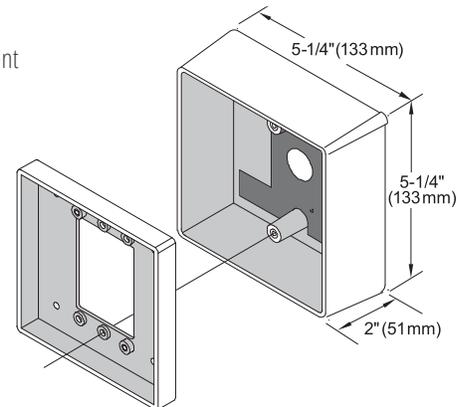
Flame & impact resistant black polymer (ABS)

**Application:**

Surface 4-1/2" square push plate switch enclosure, room for wireless

**For Switch Series:**

CM-45, CM-46, SPDT models only

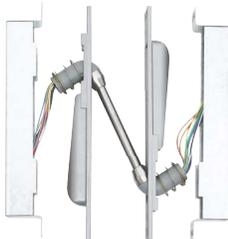


# Power transfers and electromagnetic locks

## Electrical power transfer (EPT)

### Pneumatic transfer (PNT)

Electric Power Transfer provides a means of transferring electrical power from a door frame to the edge of a swinging door. The units are completely concealed when the door is in the closed position, and are ideal for installations involving abuse or heavy traffic.



Two models are available; EPT-2, two 18 gauge wires and EPT-10, ten 24 gauge wires. The EPT-2, EPT-10, and PNT-1 are UL listed as "miscellaneous fire door accessories". UL Listed for use on fire doors. PNT-1 has one 5/32" tube.

### Door applications:

Degree of opening	Hinge type	Door thickness
0-180	Up to 5" butt hinges	1 3/4"
0-180	Up to 3/4" offset pivots	1 3/4"
0-130	5 1/2" butt hinges	1 3/4"
0-110	6" butt hinges	1 3/4"
0-90	Swing clear hinges	1 3/4"

### Finishes

SP28 (sprayed aluminum)

SP313 (sprayed duranodic)

### Dimensions

Housing	9" x 1 1/4" x 1 5/8" (229mm x 32mm x 38mm)
EPT-2	Two 18 gauge wires, Up to 2 AMPS @ 24VDC, with a 16 AMPS Maximum Surge
EPT-10	Ten 24 gauge wires, Up to 1 AMPS @ 24VDC, with a 16 AMPS Maximum Surge
PNT-1	5/32" Tubing

### To order, specify:

1. EPT-2, EPT-10 or PNT-1.
2. Finish, SP28 or SP313.

## Electromagnetic locks

Schlage has a rich heritage in electronic security. For years we have led the industry by providing a broad portfolio of solutions to meet the diverse needs of the market. Today, our electromagnetic locking portfolio continues to evolve to meet your changing needs.

Schlage electromagnetic locks are used to secure the door in conjunction with push bars, request to- exit devices, or credential readers for fail-safe applications when code compliance permits. You can use them on a single standalone door or as part of an access control system. Electromagnetic locks do not contain moving parts, making them extremely durable and preferred for high security applications.

Electromagnetic locks consist of an armature and a coil assembly, which become magnetized when an electric current passes through them. This magnetic field secures the door. Electromagnetic locks are fail-safe by design. To unlock the door simply remove power.

### M400 Series electromagnetic locks

The M400 Series is a robust line of electromagnetic locks with unique new design elements that make them easy to install and secure.

#### Features:

- Auto voltage selection is standard
- Plus Package (P) adds magnetic bond sensor, relocking time delay, door status monitor
- Optional mounting kits available including: Top Jamb Mount, Double and Glass Door

#### Certifications:

- UL 1034
- UL 10C 3 hour fire rating
- BHMA Grade 1
  - M420 – 500 lb. hold force for traffic control
  - M450 – 1000 lb. hold force for high security
  - M490 – 1500 lb. hold force for max security

### Electromagnetic specialty locks

Schlage's electromagnetic specialty locks provide flexibility for a variety of applications. They offer a depth of features and a proven record of performance.

#### Features and certifications:

**M490DE:** Delays egress with 15 second timer: includes integrated alarm

- Designed to meet NFPA 101 & BOCA, UL 10C 3 hr fire rating, UL 294, and BHMA 1500 lb. hold force

**M490G:** Gate lock is weather resistant for exterior swinging and sliding gates

- BHMA 1500 lb. hold force rated GF3000: Concealed locking mechanism enhances security and appearance
- UL 10C 3 hr fire rating, BHMA 1500 lb. hold force 320M: MiniLine is mortise designed for interior sliding doors
- UL 10C 3 hr fire rating, UL 1034 listed

### 40/70 Series Electromagnetic Locks

Ease of installation makes the 40/70 Series a perfect choice for retrofit applications. It is also easy to select and stock.

#### Features and Certifications:

- Magnetic bond sensor and door status monitor standard
- UL 10C 1 hour fire rating and BHMA Grade 1:
  - 40 Series – 500 lb. hold force
  - 70 Series – 1000 lb. hold force



### 325 Magnetic catch

- Double pole
- Self-aligning magnet ensures maximum pull
- Case design allows easy magnet adjustment on cabinet or small door applications.
- Packed with sheet metal screws
- 5 lbs. load capacity

#### Certifications

- Meets ANSI/BHMA A156.9, B43171

#### Dimensions

- Case: 1-1/8" wide x 2-1/16" long x 5/8" thick

#### Material substrate

- Case made from aluminum

#### Finishes

BHMA	Description	Substrate	Finish
666	Bright brass	Aluminum	A3
673	Aluminum clear coat	Aluminum	A92

*For other colors, consult factory.*



### 326 Magnetic catch, dual double pole

- Dual double pole
- Self-aligning magnets ensure maximum pull
- Can be surface mounted or mortised
- Packed with sheet metal screws, 2 short strikes and 1 long strike
- 9 lbs. load capacity

#### Certifications

- Meets ANSI/BHMA A156.9, B43161

#### Dimensions

- Case: 1" wide x 3-1/8" long x 9/16" thick

#### Material substrate

- Case made from aluminum

#### Finishes

BHMA	Description	Substrate	Finish
666	Bright brass	Aluminum	A3
673	Aluminum clear coat	Aluminum	A92

*For other colors, consult factory.*



### 327 Magnetic catch, dual triple pole

- Dual triple pole
- Self-aligning magnets insure maximum pull
- Can be surface mounted or mortised.
- Packed with sheet metal screws, 2 short strikes and 1 long strike
- 14 lbs. load capacity

#### Certifications

- Meets ANSI/BHMA A156.9, B43161

#### Dimensions

- Case: 1" wide x 3-1/8" long x 3/4" thick

#### Material substrate

- Case made from aluminum

#### Finishes

BHMA	Description	Substrate	Finish
666	Bright brass	Aluminum	A3
673	Aluminum clear coat	Aluminum	A92

*For other colors, consult factory.*