10641 Highway 36
Covington, GA
30014

www.sunbeltbuilders.com

t 770.786.3031
f 770.786.3046

JACKSON COUNTY
AIRPORT TERMINAL BUILDING

Engineered Openings
192 Anderson Circle
Alto, GA 30510
ph: 706-776-7356
Jenny Aguilera
jenny@engineeredopenings.com

08-1000 Doors, Frames & Hardware O&M

SUNBELT
BUILDERS

Sunbelt Builders, Inc.
10641 Highway 36
Covington, GA 30014
Phone: (770) 786-3031
Fax: (770) 786-3046

Submittal

TO: Jackson Co. Airport Terminal
500 Sky Harbor Way
Jefferson, GA 30549

Date:	11/04/2024
Project #	24-10
Due Date:	11/18/24
ATTN:	Kim Ross
RE:	Door & Frame Schedule

Copies	Spec No.	Description
1	08 10 00	Door & Frame Schedule

Notes:

NOTE: PROVIDE DOOR STAIN SAMPLES FOR REVIEW AND APPROVAL.

Contractor's Stamp

SUNBELT BUILDERS, INC.

DATE: November 04, 2024

☑ APPROVED
☐ APPROVED AS NOTED
☐ RESUBMIT
☐ OTHER

SIGNATURE: Steve Stillwell

Architect's Stamp

GMC
SUBMITTAL REVIEW

Submittal No. 08 10 00
GMC Job No. AATL230012

Review is subject to compliance with Bid and Contract Documents. No responsibility is assumed for Correctness of Dimensions, Details or Quantities.

☒ No Exceptions Taken
☐ Amend and Resubmit
☐ Rejected - See Remarks
☐ Note Markings
☐ Make Corrections Noted
☐ Submit Specified Item
☐ For Record Only
☐ No Action Taken

Date: 1/22/25
By: NR

Owner's Stamp

Door & Frame Schedule

Distributed By:

Engineered Openings, Inc.
192 Anderson Circle
Alto, GA 30510
Phone: (706) -77-7356
Fax: (706) -77-7535

Masonry Cased
Masonry Single
Masonry

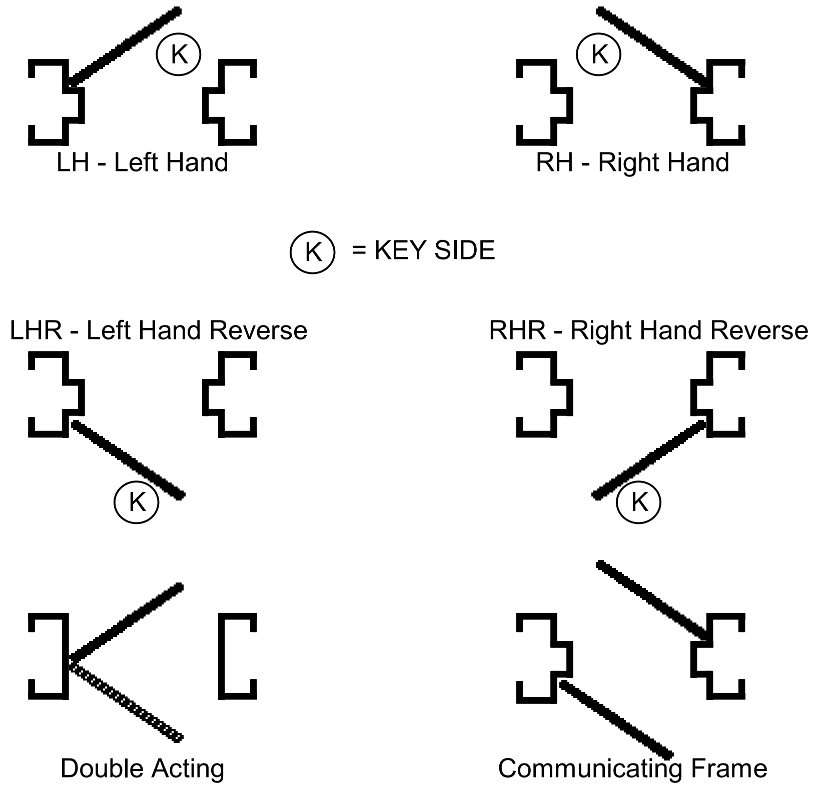
FRAME PROFILES

Drywall
Drywall Single
Drywall Cased

RECORD OF SUBMITTALS	
SUBMITTED	RETURNED
1ST	
2ND	
3RD	
4TH	
RECEIVED APPROVED DRAWINGS	
RECEIVED APPROVED HARDWARE	

DRAWN BY: Jenny Aguilera

DOOR HANDING CHART


K
LH - Left Hand
K
RH - Right Hand
K = KEY SIDE
LHR - Left Hand Reverse
K
RHR - Right Hand Reverse
K
Double Acting
Communicating Frame

ARCHITECT JOB NO.
24-112

PROJECT
Jackson Co. Airport

LOCATION

ARCHITECT
Goodwyn Mills Cawood, LLC

CONTRACTOR
Sunbelt Builders

FINISH HARDWARE BY

SHEET NO. 1 OF 10

11/1/2024 2:48:07 PM

LEGEND

Hollow Metal Frame

Anchor

M	Masonry T (Loose)
MP	Multipurpose min 4-3/4" J.D. (Loose)

Construction

FW	Full Welded die miter corner

Elevation Type

3F	Three sided frame

Gauge

16	16 Gauge

Head Face

2"	2" Face Head

Jamb Face

2"	2" Face Jambs

Profile

M-EQ	Masonry - Equal rabbet
CK	Drywall-cased opening
CM-EQ	Drywall anchored frame - Equal rabbet

Steel Type

A60	A60 Galvannealed
CR	Cold Rolled

Hollow Metal Door

Edge

N	Seamless edge

Face Type

F	Flush
FG2	Full Glass 2-Metal Visions

Gauge

16	16 Gauge

Series

707	Polystyrene core

Steel Type

A60	A60 Galvanneal
CR	Cold rolled

Vision Kit

T2118	Type 2 window molding - 1-1/8" pocket for FG2

Wood Door

Bevel

3/3	Bevel BOTH Stile Edges

Core

5502	Particleboard Core

Face Type

F	Flush Door
HG	Half Glass Vision Lite

Finish

TBD	To be Determined

Moulding

VT1	Non-rated flush wood lite moulding

Series

VT	VT 5 PLY BONDED DOORS

Species

BCR	Oak - Red, Plain Sliced, Center Balance Match

Stile

MATCHING	MATCHING STILES

Opening Detail Short

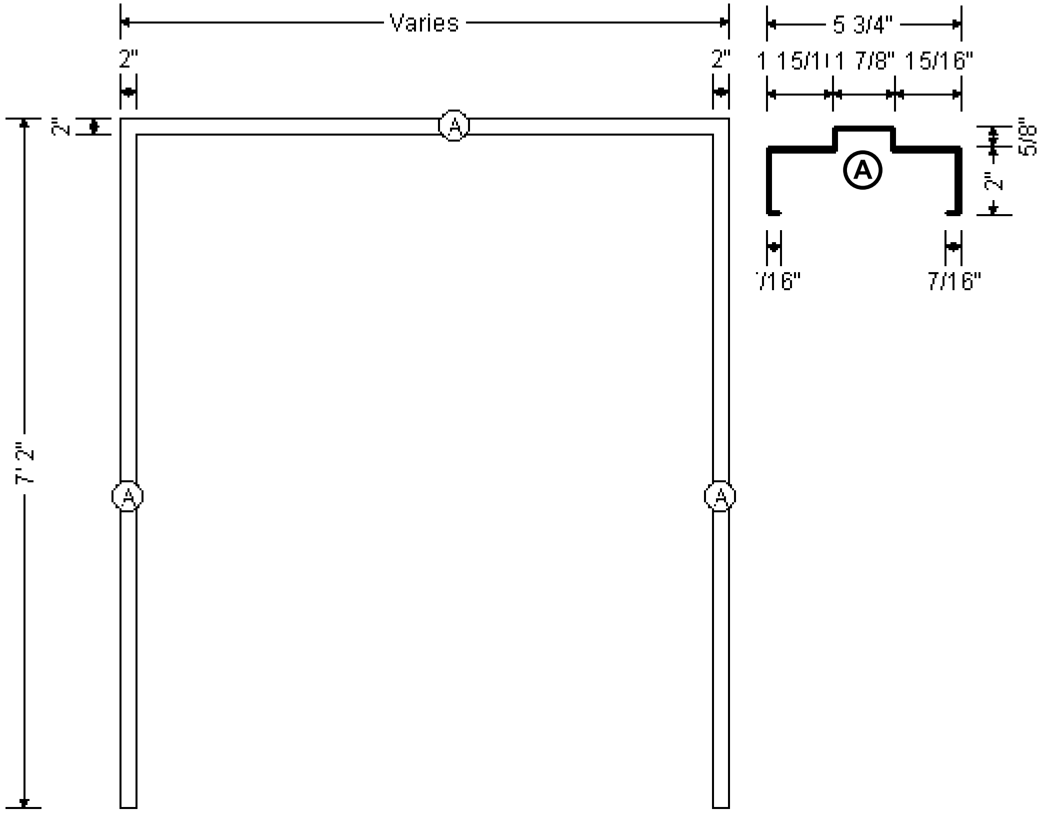
Project ID: 24-112 Jackson Co. Airport
Job Number: 24-112

Openings						Frames												Doors													Special Instructions	
Door #	Size	Location	Label	Hand	Thickness	Material	Qty	Jamb Depth	Profile	Jamb	Head Face	Ga \ Trim	S.T.	Anchor	Elevation	Elev. Sheet	Anchor Sheet	Material	Qty	Series	Edge	S.T. \ Specie Finish	Ga \ Face Type	Core		Elevation	Elev. Sheet	Exterior	Undercut	Astragal		Hdw Set #
100A	5' 10" x 7' 0"	Exterior From Lobby R100		RHRA/LHR	1 3/4"	ALF	1											ALD	1									X				12.0
																		ALD	1									X				
100B	5' 10" x 7' 0"	Exterior From Lobby R100		RHRA/LHR	1 3/4"	ALF	1											ALD	1									X				12.0
																		ALD	1									X				
100C	3' 0" x 7' 0"	Lobby R100 To Corridor R119		LH	1 3/4"	HMF	1	8 1/4"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					10.0
102	3' 0" x 7' 0"	Corridor R107 To Mens RR R102		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					11.0
103	3' 0" x 7' 0"	Corridor R107 To Womens RR R103		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					11.0
104	3' 0" x 7' 0"	Corridor R107 From Janitor R104		RHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					6.0
105	3' 0" x 7' 0"	Cased Opening		NH	1 3/4"	HMF	1	5 7/8"	CK	2"	2"	16	CR	MP	F5	F5		None	1													
106A	3' 0" x 7' 0"	Corridor R107 To Collaboration Room R106		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					4.0
106B	6' 0" x 7' 0"	Exterior From Collaboration Room R106		RHRA/LHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	A60	16			FG2	FG2	X				1.0
																F1		HMD	1	707	N	A60	16			FG2	FG2	X				
106C	6' 0" x 7' 0"	Exterior From Collaboration Room R106		RHRA/LHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	A60	16			FG2	FG2	X				1.0
																F1		HMD	1	707	N	A60	16			FG2	FG2	X				
108	3' 0" x 7' 0"	Collaboration Room R106 To Supply R108		RH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					6.0
109	3' 0" x 7' 0"	Exterior From Mechanical R109		RHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	A60	16			F	F	X				2.0
110	3' 0" x 7' 0"	Pilot's Area R111 From Bath R110		LHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					9.0
111	3' 0" x 7' 0"	Corridor R107 To Pilot's Area R111		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					10.0
112A	3' 0" x 7' 0"	Cased Opening		NH	1 3/4"	HMF	1	5 7/8"	CK	2"	2"	16	CR	MP	F5	F5		None	1													
113	3' 0" x 7' 0"	Corridor R107 To Elect Data R113		RH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					6.0

Opening Detail Short

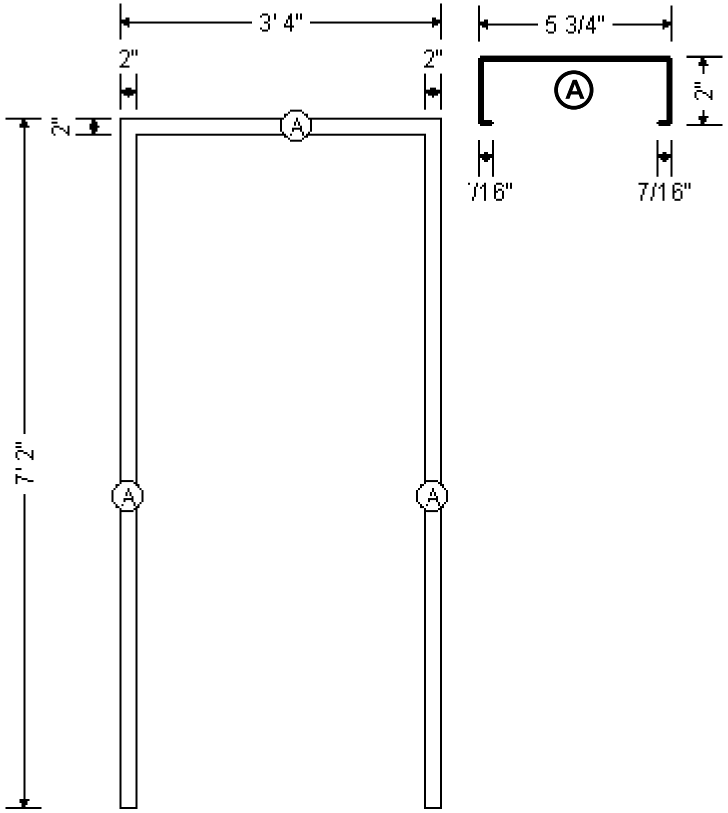
Project ID: 24-112 Jackson Co. Airport
Job Number: 24-112

Openings						Frames												Doors													Special Instructions	
Door #	Size	Location	Label	Hand	Thickness	Material	Qty	Jamb Depth	Profile	Jamb	Head Face	Ga \ Trim	S.T.	Anchor	Elevation	Elev. Sheet	Anchor Sheet	Material	Qty	Series	Edge	S.T. \ Specie Finish	Ga \ Face Type	Core		Elevation	Elev. Sheet	Exterior	Undercut	Astragal		Hdw Set #
114	3' 0" x 7' 0"	Corridor R119 To F.B.O R114		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					8.0
115	3' 0" x 7' 0"	Directors Office R116 From Stor. R115		RHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					5.0
116	3' 0" x 7' 0"	Corridor R119 To Directors Office R116		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					7.0
117A	3' 0" x 7' 0"	Corridor R119 To Lineman Office R117		RH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					7.0
117B	3' 0" x 7' 0"	Exterior From Lineman Office R117		LHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	A60	16			F	F	X				2.0
118	3' 0" x 7' 0"	Lineman Office R117 From Stor. R118		LHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					5.0
119	3' 0" x 7' 0"	Exterior From Corridor R119		RHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	CR	16			F	F					2.0
120	3' 0" x 7' 0"	Office R121 From Stor. R120		RHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					5.0
121	3' 0" x 7' 0"	Corridor R119 To Office R121		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					7.0
122	3' 0" x 7' 0"	Corridor R119 To Office R122		RH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					7.0
123	3' 0" x 7' 0"	Office R122 From Stor. R123		LHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					5.0
124	3' 7/8" x 6' 9 3/4"	Lobby R100 From Visitors Office R124		LHR	1 3/4"	ALF	1											ALD	1													3.0


Varies
2"
2"
2"
7' 2"
A
A
A
5 3/4"
1 15/1
1 7/8"
15/16"
5/8"
2"
A
7/16"
7/16"

F1

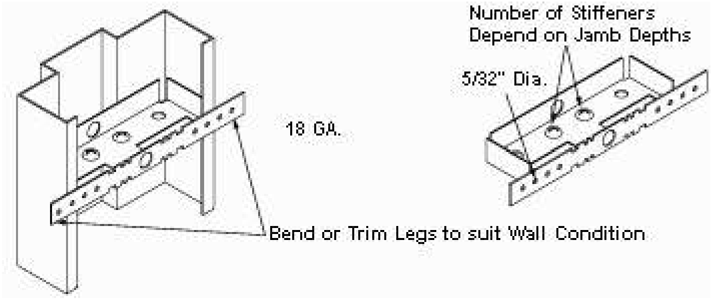
Doors #s:
100C (3' 0" x 7' 0"),
106B (6' 0" x 7' 0"),
111 (3' 0" x 7' 0"),
117A (3' 0" x 7' 0"),
121 (3' 0" x 7' 0"),
102 (3' 0" x 7' 0"),
106C (6' 0" x 7' 0"),
113 (3' 0" x 7' 0"),
117B (3' 0" x 7' 0"),
122 (3' 0" x 7' 0"),
103 (3' 0" x 7' 0"),
108 (3' 0" x 7' 0"),
114 (3' 0" x 7' 0"),
118 (3' 0" x 7' 0"),
123 (3' 0" x 7' 0"),
104 (3' 0" x 7' 0"),
109 (3' 0" x 7' 0"),
115 (3' 0" x 7' 0"),
119 (3' 0" x 7' 0"),
106A (3' 0" x 7' 0"),
110 (3' 0" x 7' 0"),
116 (3' 0" x 7' 0"),
120 (3' 0" x 7' 0"),


3' 4"
2"
2"
2"
7' 2"
A
A
A
5 3/4"
A
2"
7/16"
7/16"

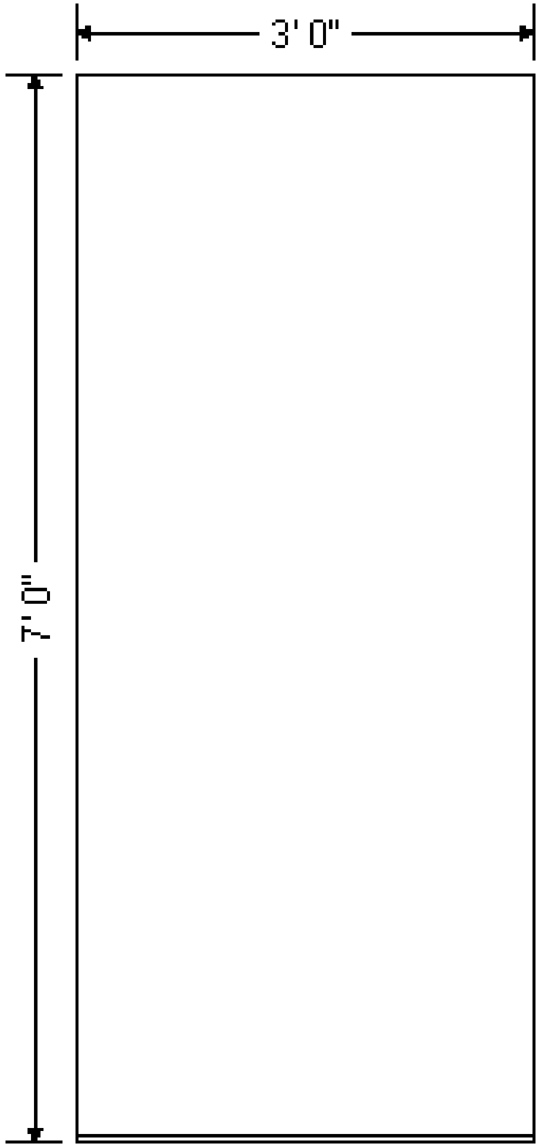
F5

Doors #s:
105 (3' 0" x 7' 0"), 112A (3' 0" x 7' 0"),

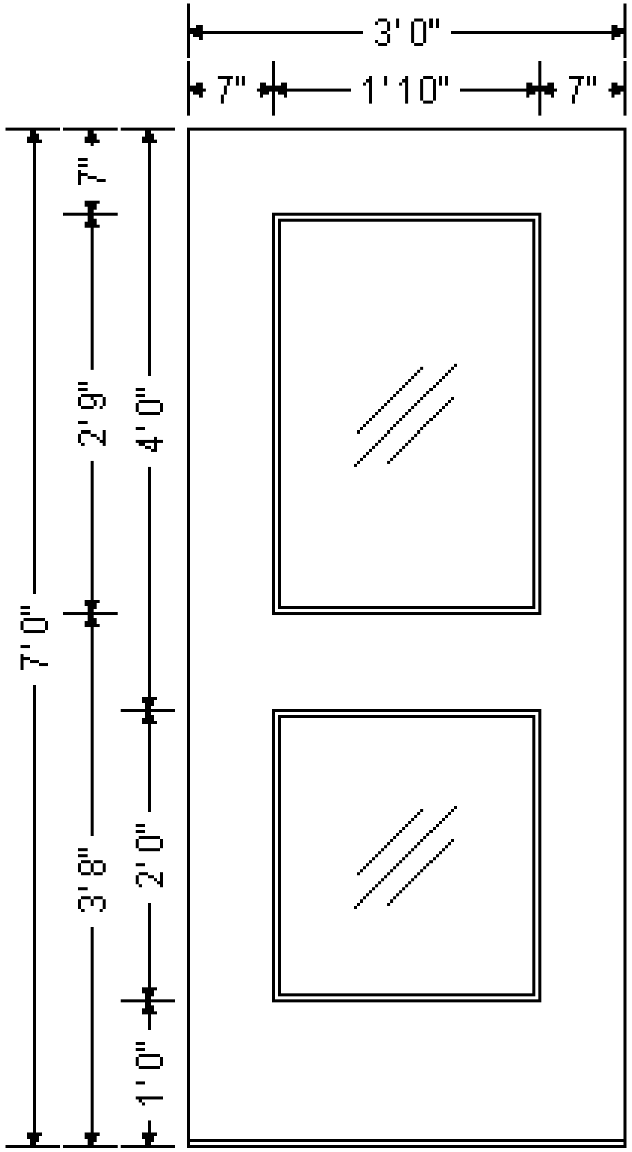
ANCHORS


Number of Stiffeners
Depend on Jamb Depths
5/32" Dia.
18 GA.
Bend or Trim Legs to suit Wall Condition

Multi-Purpose

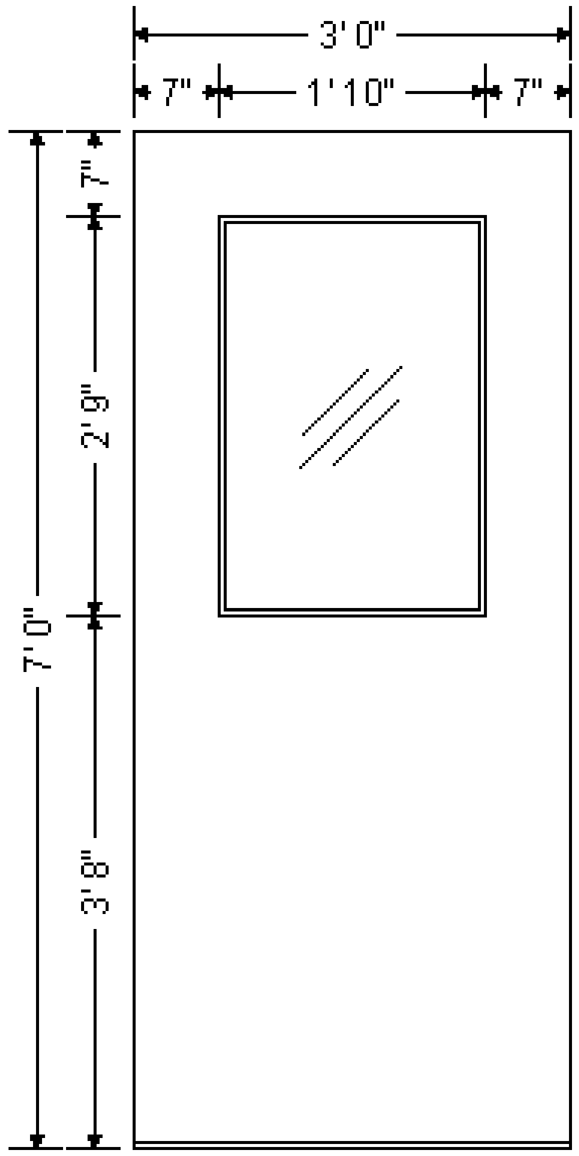


F


3' 0"
7"
1' 10"
7"
7' 0"
7"
2' 9"
3' 8"
4' 0"
2' 0"
1' 0"

FG2

Project: Jackson Co. Airport
11/1/2024 2:48:10 PM

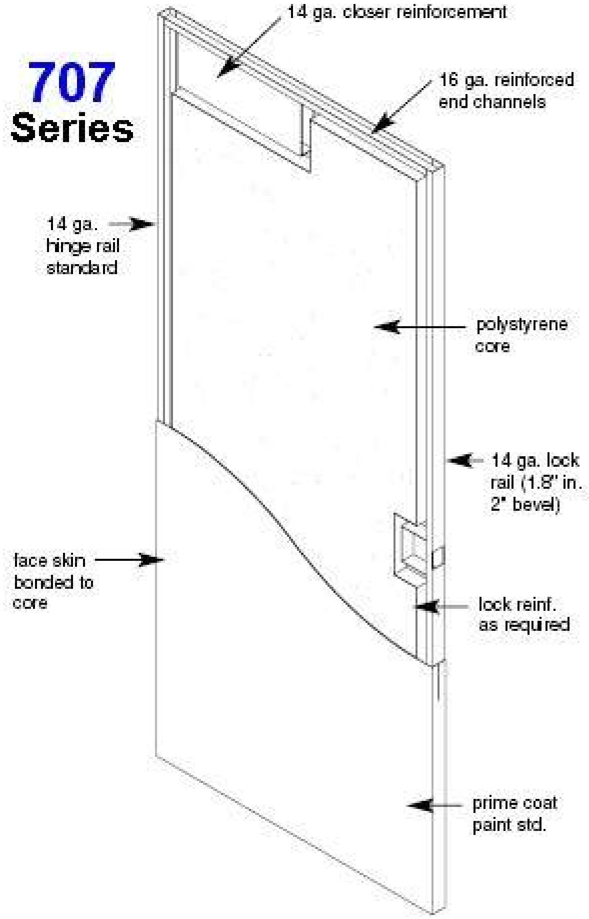

3' 0"
7"
1' 10"
7"
7"
2' 9"
3' 8"
7' 0"

HG

Project: Jackson Co. Airport
11/1/2024 2:48:10 PM

DOOR SERIES

707 Series


14 ga. closer reinforcement
16 ga. reinforced end channels
14 ga. hinge rail standard
polystyrene core
14 ga. lock rail (1.8" in. 2" bevel)
face skin bonded to core
lock reinf. as required
prime coat paint std.

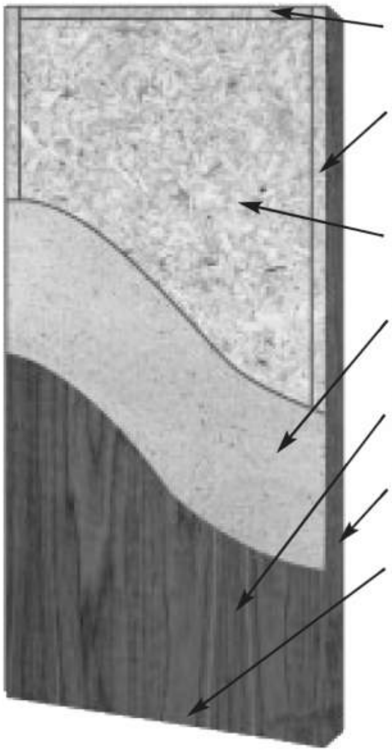
Polystyrene Core

Project: Jackson Co. Airport	
11/1/2024 2:48:10 PM	Page 10 of 10

VT INDUSTRIES Architectural Wood Doors

WOOD VENEER
BONDED PARTICLEBOARD CORE
5-PLY CONSTRUCTION
NON-RATED OR 20-MINUTE

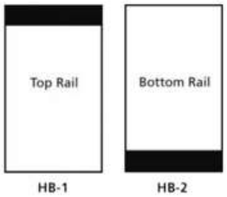
5502
VT Door Type
PC-5
(Interior use only)



- **TOP RAIL:** 1-3/8" Structural Composite Lumber (SCL)
- **VERTICAL STILES:** 1-3/8" Structural Composite Lumber (SCL) with matching hardwood edge **Crossbands concealed at edge**
- **CORE:** Particleboard, ANSI A208.1, grade 1-LD-2, 28-32#/cu. ft.
- **CROSSBANDS:** High Density Fiber (HDF)
- **FACES:** "A" grade wood veneer, unless otherwise specified
- **FINISHED THICKNESS:** 1-3/4" (± 1/16")
- **BOTTOM RAIL:** 1-3/8" Structural Composite Lumber (SCL)

All dimensions shown are nominal before sanding, trimming and prefitting within industry standards. Specifications may be changed at manufacturer's option. Prefit and stock sizes available.

Blocking Reinforcement Options: available at additional cost for undercutting and specialized hardware. Blocking recommended for Extra Heavy Duty Doors using surface mounted hardware.



WDMA PREMIUM GRADE EXTRA HEAVY DUTY DOOR

DOOR FEATURES:

Finish Type: Permaguard™ WDMA TR-6 or OP-6 Factory Finish available

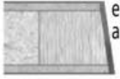
Veneer Match: Book match standard. Slip or random available if specified.

Veneer Face Assembly: Running match standard. Center or balanced available if specified.

Pairs and Sets: Pair match, set match available

Doors/Transoms: Door and transom match

Vertical Edges: (visible surface) Matching hardwood finished at factory (-2) with edge-before-face construction. Optional edges are: unfinished (-1) and stiles primed at factory (-9).



Cutouts: 3-5/16" minimum distance between lite and lock cutout and 5" minimum distance from door edge.

Standard Bevel: 1/8" in 2"

Clearances: 1/8" top, 1/8" lock and hinge stiles. See NFPA-80 1-11.4, 1999 edition, for bottom clearances.

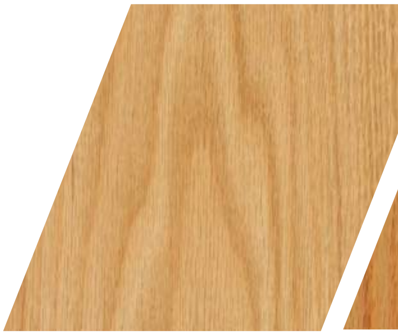
Security Rating: Class 40 (highest rating possible)

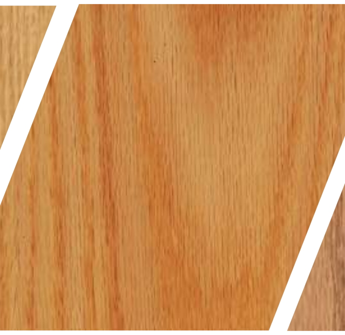
DOOR STANDARDS:

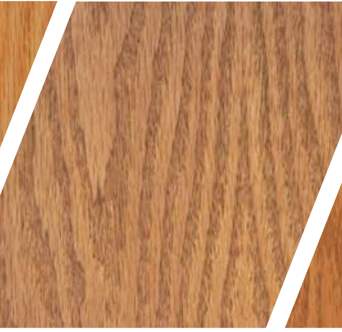
- ANSI/WDMA I.S. 1-A and AWI Section 1300 Quality Standards (Bonded Core).
- Top and bottom rails of door shall be factory sealed.
- Doors shall be clad in WDMA premium "A" grade wood veneer with minimum thickness 1/42" before sanding. Both domestic and exotic hardwood species available for transparent finish. Mill option face material for opaque finish.
- Neutral pressure 20-minute Intertek/Warnock Hersey fire labels shall be available within size and usage limitations. Fire-rated doors must use approved lite frames. Louvers are prohibited in 20-minute fire doors. Neutral pressure must be noted at time of bid.
- Positive pressure fire label is available on 20-minute single doors going into welded or knockdown steel frames. Surface-applied smoke gasketing, such as Pemko S88, must be applied to frame to achieve "S" rating (gasketing to be supplied by others). Listed & labeled steel lite frames must be used for lite openings. Positive pressure must be noted at time of bid.
- Cutouts for vision panels and louvers shall be made at the factory and shall be of sizes and locations as indicated on the drawings. Factory finished wood glazing stops or beige powder coated steel lite frames shall be furnished for lite openings unless otherwise specified. Steel lite frames may be veneer-wrapped at additional cost.
- Hardware preparation: All cutouts for mortise hardware shall be made at the factory from hardware manufacturer's templates and approved shop drawings.
- Doors shall be individually poly-bagged for protection in transit and storage periods, and shall be marked as per tag openings on shop drawings.

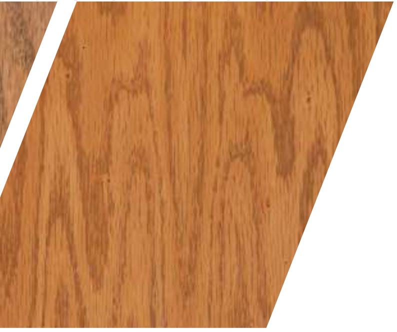
RED OAK

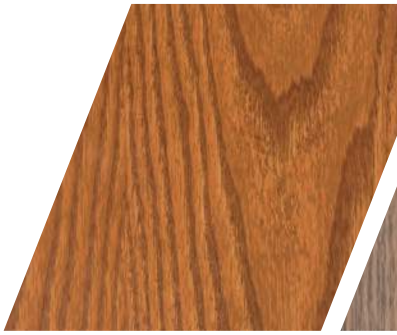
PROVIDE STAIN SAMPLES FOR
REVIEW AND APPROVAL

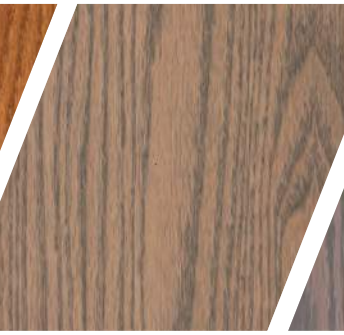

Clear CL18

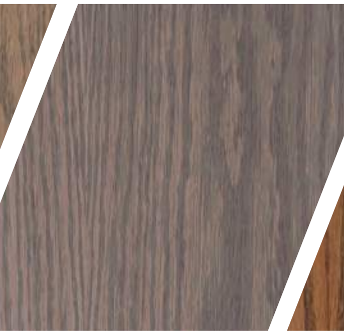

Serengeti SE18

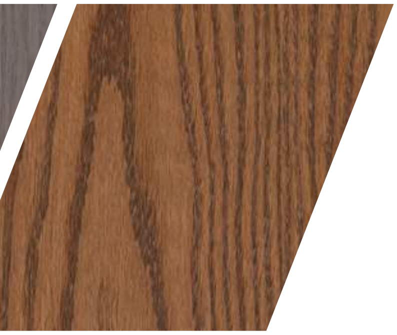

Wheat WH18

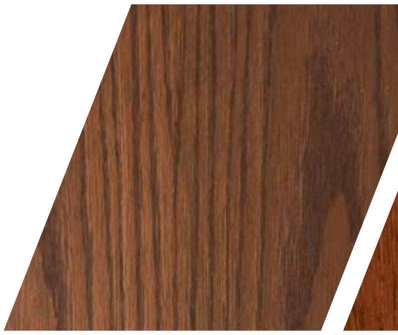

Alpine AL18

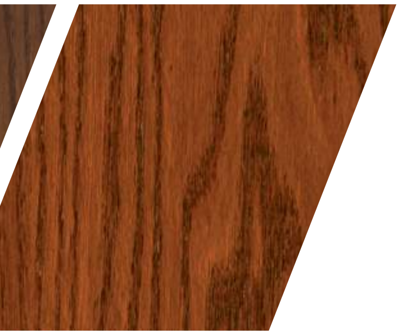

Toffee TF24

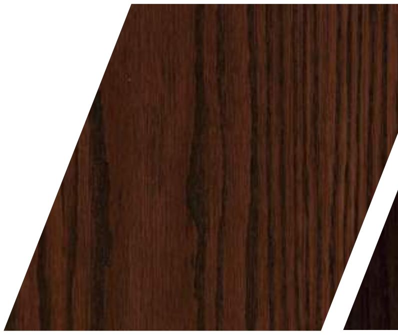

Riverstone RI18

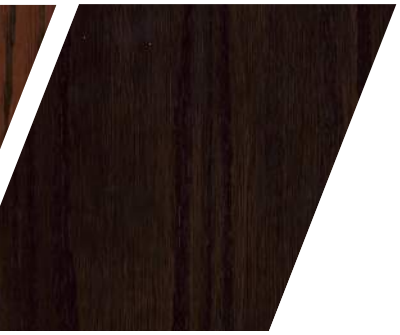

Umber UM24


Ravine RA18


Mocha MA24


Savanna SA18


Chocolate CH18


Onyx ON18

Red Oak Veneer
Ravine Finish

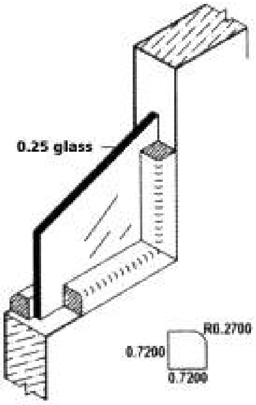
STANDARD LITE MOULDINGS

Heritage Collection Only

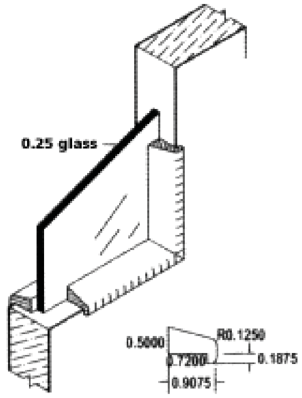
Non-Rated Doors

Flush wood lite mouldings (also known as stops, or beads) have one side fixed into place with brads at the factory. The other side is temporarily tacked into place so glass and glazing can be installed at the jobsite. Field fitting of glass and glazing is the responsibility of the installer. Use of a glazing compound or caulking is recommended to reduce glass rattle. All VT profiles have a tolerance of ± 0.005. Factory installed glazing is available upon customer request.

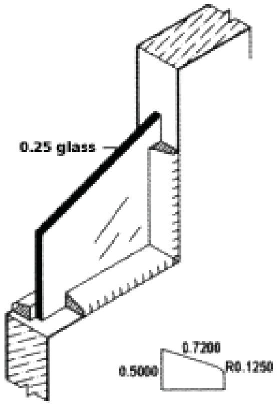
Standard wood stop materials are as follows: Doors with laminate faces will use poplar stops. Doors with wood veneer faces will have stops that match the face veneer.


0.25 glass
R0.2700
0.7200
0.7200

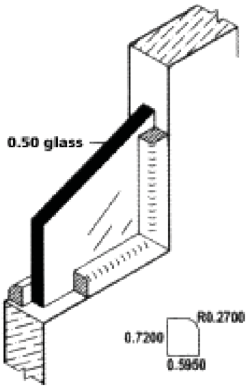
VT1


0.25 glass
0.5000
R0.1250
0.7200
0.1875
0.9075

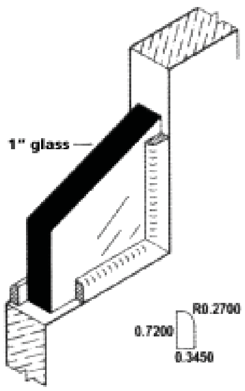
VT3


0.25 glass
0.7200
0.5000
R0.1250

VT7


0.50 glass
R0.2700
0.7200
0.5950

VT9


1" glass
R0.2700
0.7200
0.3450

VT15

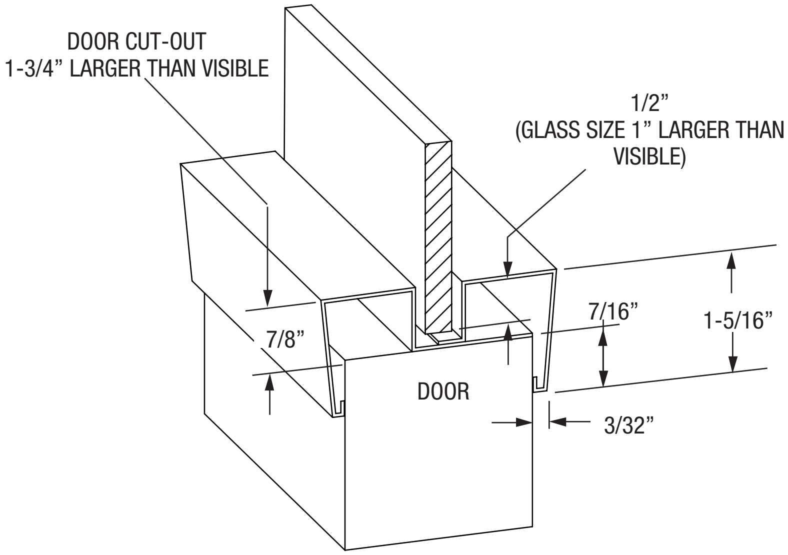
Notes:

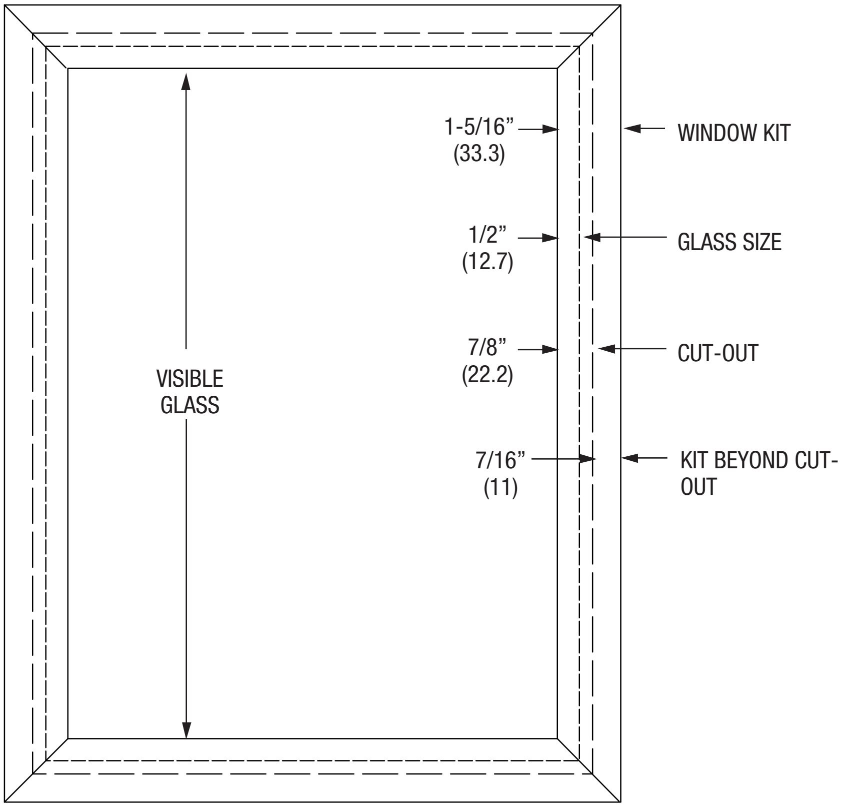
- For acoustical lite kits, refer to Acoustical Doors information in your Order Process Guide.
- Refer to Product Update #P104F for more details.
- VT wood stops available for glass thicknesses other than noted above, please specify glass thickness on quote request or order. Contact your Customer Service Representative for questions or additional information.

Rev. 12/12

Type 1 & 2 Window Moulding

Ⓛ


DOOR CUT-OUT
1-3/4" LARGER THAN VISIBLE
1/2"
(GLASS SIZE 1" LARGER THAN
VISIBLE)
7/8"
7/16"
1-5/16"
DOOR
3/32"


1-5/16"
(33.3)
WINDOW KIT
1/2"
(12.7)
GLASS SIZE
7/8"
(22.2)
CUT-OUT
VISIBLE
GLASS
7/16"
(11)
KIT BEYOND CUT-
OUT

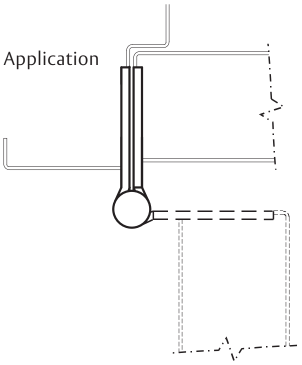
Five Knuckle Standard Weight Series

Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 28

TA2314
TA2714

No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD



Specifications

Inches	mm	Gauge	No. of Holes	Fasteners Machine	Fasteners Wood
$3^1/_2$" x $3^1/_2$"*	88.9 x 88.9	.123	6	$^1/_2$ x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	$^1/_2$ x 12-24	$1^1/_4$ x 12
$4^1/_2$" x 4"	114.3 x 101.6	.134	8	$^1/_2$ x 12-24	$1^1/_4$ x 12
$4^1/_2$" x $4^1/_2$"	114.3 x 114.3	.134	8	$^1/_2$ x 12-24	$1^1/_4$ x 12
5" x $4^1/_2$"*	127 x 114.3	.146	8	$^1/_2$ x 12-24	$1^1/_4$ x 12
5" x 5"*	127 x 127	.146	8	$^1/_2$ x 12-24	$1^1/_4$ x 12
6" x 6"*	152.4 x 152.4	.160	10	$^1/_2$ x $^1/_4$-20	$1^1/_2$ x 14

* Not available in Brass base material.

Options:

Code	Description
NRP	Non-Removable Pin
TB	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – $^1/_4$" radius furnished unless specified otherwise
HT	Hospital Tip
BT	Ball Tip
FT	Flat Tip*

Code	Description
GT	Grooved Tip*
LT	Lined Tip*
RT	Round Tip*
ST	Steeple Tip
SSF	Safety Stud Feature
CC	Concealed Circuit – 4, 8, or 12 wire available

Code	Description
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring
QC	ElectroLynx® Hinge – 4, 8 or 12 wire available

*Not available on 3-1/2" and 6" sizes

McKinney Hinge Pin Door Stop

- Recommended for high-use or high impact doors with McKinney T2714 or TA2714 hinges
- Protects against damage to doors and walls
- Runs the full length of the hinge

Part number	Description	Finish
76305	Hinge Pin Stop for MacPro MP79 & MPB79	26D
76306	Hinge Pin Stop for McKinney T2714 & TA2714	26D

ASSA ABLOY
Opening Solutions

Experience a safer
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Check the web site for the up-to-date catalog

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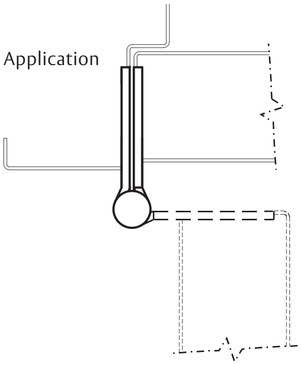
Five Knuckle Heavy Weight Full Mortise Series

Recommended for use on high frequency and/or heavy wood or metal doors in schools, hospitals or other public buildings where heavy traffic is experienced.

- Heavy weight hinges should be used on all extra heavy doors or those exposed to high frequency use
- T4A3386- Stainless steel base or available in brass base material polished
- T4A3786- Steel base material
- For Beveled Edge, where doors are beveled on hinge side, specify T4A4386 or T4A4786
- For available finishes see page 28

T4A3386
T4A3786

Note: 8" x 6" and 8" x 8" have six bearings. Specify T6B3386 or T6B3786.



No.	ANSI Cross Reference	Base Material	Weight
T4A3386	A5111	Stainless	HVY
T4A3386	A2111	Brass	HVY
T4A3786	A8111	Steel	HVY

Specifications

				Fasteners	
Inches	mm	Gauge	No. of Holes	Machine	Wood
4$^{1}/_{2}$" x 4"	114.3 x 101.6	.180	8	$^{1}/_{2}$ x 12-24	1$^{1}/_{4}$ x 12
4$^{1}/_{2}$" x 4$^{1}/_{2}$"	114.3 x 114.3	.180	8	$^{1}/_{2}$ x 12-24	1$^{1}/_{4}$ x 12
5" x 4$^{1}/_{2}$"	127 x 114.3	.190	8	$^{1}/_{2}$ x 12-24	1$^{1}/_{4}$ x 12
5" x 5"*	127 x 127	.190	8	$^{1}/_{2}$ x 12-24	1$^{1}/_{4}$ x 12
6" x 5"*	152.4 x 127	.203	10	$^{1}/_{2}$ x $^{1}/_{4}$-20	1$^{1}/_{2}$ x 14
6" x 6"*	152.4 x 152.4	.203	10	$^{1}/_{2}$ x $^{1}/_{4}$-20	1$^{1}/_{2}$ x 14
8" x 6"**	203.2 x 125.4	.203	16	$^{1}/_{2}$ x $^{1}/_{4}$-20	1$^{1}/_{2}$x 14
8" x 8"***	203.2 x 203.2	.203	16	$^{1}/_{2}$ x $^{1}/_{4}$-20	1$^{1}/_{2}$ x 14

* Not available in brass base material.
** Available in steel only.
***Available in stainless steel only.
****FT tips not offered on 6" and 8" sizes, BT and ST not offered on 8" sizes.

Options:

Code	Description
NRP	Non-Removable Pin
T4B	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – $^{1}/_{4}$" radius furnished unless specified otherwise
HT	Hospital Tip
BT****	Ball Tip
FT ****	Flat Tip
ST****	Steeple Tip
SSF	Safety Stud Feature
RB	Raised Barrel*
QC	ElectroLynx® Hinge – 4, 8 or 12 wire available
CC	Concealed Circuit – 4, 8 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

* Refer to page SP-3 for Raised Barrel.

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ElectroLynx® Hinge (QC option)

Each hinge features concealed plug connectors that eliminate the need for separate or exposed wiring. Standard connectors make installation quick and simple. Brass eyelets add protection and durability.

- The QC option is available on standard and heavy weight full mortise bearing hinges as well as swing clear and wide throw hinges
- Electric hinges allow a constant flow of current from the power source through the hinge to electrified door hardware. No external wires can be seen, eliminating tampering and improving the aesthetics of the door opening
- Materials: brass, stainless steel, and steel
- For 4 amp continuous @ 24 volts AC or DC per circuit, 28 gauge multi-strand wires are used.
- An 8 position connector is used for QC4 and QC8 wire hinges. An 8 position and a 4 position connector is used for QC12 wire hinges.
- Hand of hinge must be specified on two knuckle hinges
- Can be used in conjunction with MM option on most full mortise hinges. QC12 x MM not recommended for wood or solid core doors
- Full Mortise QC hinges are available in most BHMA and McKinney powder coat finishes
- Wires are coordinated to work with other ASSA ABLOY Group brands electro-mechanical hardware

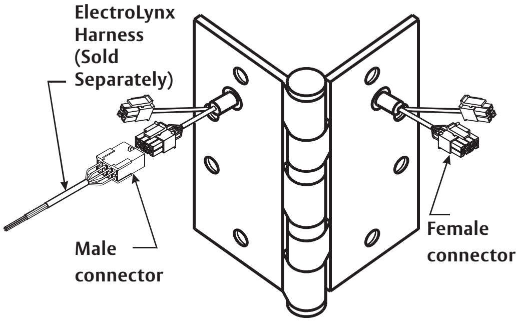
*Electric hinges should be installed in the center position on the door. Installation instructions are packed with each hinge.

*Hinges are factory tested and specially packaged to minimize against damage during shipment.

QC-12

c UL us LISTED

Application



Back of 12 wire hinge shown

3-Knuckle	5-Knuckle
TA314	TA2314
TA714	TA2714
TA386	T4A3386
TA786	T4A3786
	TA2895
	T4A3395
	T4A3795

Most hinges including this Swing Clear Hinge can be electrically modified. Call 1-800-346-7707 for more information.

Options:

Code	Description
QC4	2 circuits
QC8	4 circuits
QC12	6 circuits

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What is PemkoHinge®?

PemkoHinge® consists of two full-height, paired and geared leaves. Each geared leaf rotates evenly from top to bottom riding on proprietary polymer blended bearings. The geared leaves and bearings are held together by a full-length channel cap. This assembly retains the smooth, clean lines of the door and frame, while easily supporting heavy vertical loads.

PemkoHinge®

SECURITY, SAFETY, PRIVACY, LOW WEAR AND TEAR

PemkoHinge® Attributes:

- With a continuous hinge, typical alignment problems (such as door sag and binding) are eliminated
- The continuous hinge distributes load stress uniformly along the full length of the door and frame
- The gear design of the continuous hinge ensures symmetrical operation of each leaf
- 1/2 lb. or less operating force required to operate most doors, regardless of size
- Low operating force feature makes continuous hinges ideal for doors used by the physically challenged
- The continuous hinge, when installed on standard steel doors and frames, requires no additional reinforcement. However, hinge preps must have fillers installed for proper operation
- A high degree of security can be achieved for exterior openings or restricted spaces by using a continuous hinge. With the geared construction and the full-length channel cap, the common gap between the door and frame is sealed, which provides security against prying
- In addition, the continuous full-height hinge cap protects against pinching fingers in doors in public areas, particularly those where children are present
- Sight proof design of the continuous hinge provides privacy for lavatories, executive offices, or file rooms

PemkoHinge® Superior Design:

- PemkoHinge® has increased critical stress points of the hinge leaf extrusions providing additional strengths and rigidity to the completed product
- PemkoHinge® bearing design eliminates premature wear, guarantees proper alignment, and requires fewer bearings to carry more weight. The bearing is produced for Pemko using a chemical composition and injection process that provides a stronger, more accurately formed bearing
- PemkoHinge® is designed with inter-meshing gear segments in the hinge which provide 50% more bearing surface resulting in less wear
- PemkoHinge® goes through the anodizing process after completing all machining. This means the machined aluminum surfaces that are in direct contact with the bearing have a smoother, harder surface, thereby reducing wear
- PemkoHinge® maintains uniform bearing spacing for the full length of the hinge even when lengths exceed 10'
- Pemko uses self drilling No.12-24 x 11/16" Flat Head Undercut, Type C, thread-forming fasteners, no tapping required
- PemkoHinge® commercial models are ideal for use on lead lined doors (i.e. hospital X-ray rooms), without requiring special screw locations

How To Order (Hinge Part Designations)

Example: D| SPFM | 85 | SLI | HD1

FINISHES		HINGE TYPES		LENGTHS	HINGE OPTIONS		CAPACITY	
BL	Black Anodized	FM	Full-Mortise	79	"blank"	Standard	"blank"	Standard Duty
BSP	Black Suede Powder Coat*	FS	Full-Surface	83	CP	Center Pivot	HD1	Heavy Duty, Grade 1
C	Clear Anodized	HS	Half-Surface	85	RG	Raised Gear	HD3	Heavy Duty, Grade 3
D	Dark Bronze Anodized	RS138	Full-Mortise Residential: 1 3/8"	95	SF	Safety		
G	Gold Powder Coat	RS175	Full-Mortise Residential: 1 3/4"	120	SL	Short Leaf (residential only)		
SN	Satin Nickel Powder Coat	SPFM	Special Full-Mortise		SLF	Short Leaf Flush		
WSP	White Suede Powder Coat *	WT_FM	Wide Throw Full-Mortise		SLI	Short Leaf Inset		
10BE	Satin Bronze Powder Coat *	WT_HS	Half-Surface					

Only available on select profiles

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BHMA Certification Program

This program was developed to establish product classifications through performance testing. Three grades (1, 2 and 3) of product classifications were established for continuous hinges, with three weight groups (150, 300 and 600) for each grade: Grade 3 being the lowest and Grade 1 being the highest classification. Each classification and weight group has a set of established cycle requirements and wear characteristics, with a minimum for vertical and lateral wear to establish a listing under a weight and grade classification, after the set number of cycles is completed.

Maximum Vertical Wear Allowable:

Grade 3 = 0.105"

Grade 2 = 0.030"

Grade 1 = 0.020"

Maximum Lateral Wear Allowable:

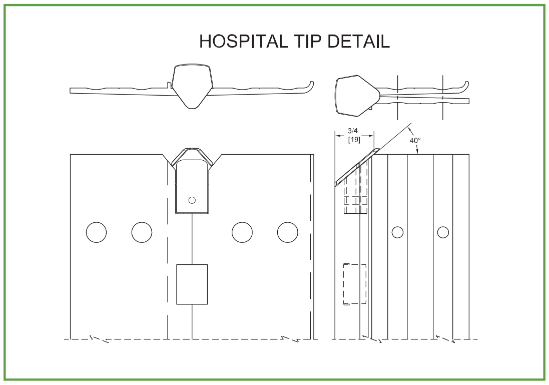
All Grades = 0.062"

Cycle requirements range from Grade 3-600 requiring 100,000 cycles through Grade 1-150 requiring 2.5 million cycles.

For more information on certification testing or other product certification programs, please contact Pemko Customer Service.

Hospital Tip

A special modification is available for certain hinges which provides a Hospital Tip Cap at the top of the gear cap, leaving no opening. A 45° angled cut on the gear cap and leaf covers provides a safe environment for hospitals and correctional facilities.



Cycle Requirements - *Per BHMA Standard ANSI/BHMA A156.26-2012*

- Standard Duty Hinges (excluding _RS175 & _RS138) conform to Grade 3-150 and Grade 3-300
- HD3 Hinges conform to Grade 3-150, Grade 3-300, and Grade 3-600
- HD1 Hinges conform to Grade 2-150, Grade 1-300, and Grade 1-600
- 1100 Series and X-Series Hinges conform to Grade 1-150

Weight Bearing - *Per BHMA Standard ANSI/BHMA A156.26-2012*

- This information pertains to all commercial models
- Heavier weight can be carried; please contact Customer Service for applications other than those listed in the chart
- Special hinge reinforcements are not required as hollow metal door and frame manufacturers' standard are acceptable. Removal of hinge reinforcements in the door and frame is not advised. Hinge preps must have fillers installed

UL Fire Labeled 1$^1/_2$ & 3 Hour

LISTED
DOOR HINGE
76Y2

- All models designated with these symbols are tested and certified by Underwriters Laboratories Inc.® (U.S.A. and Canada) to standards UL10B, UL10C and UBC7.2 (positive pressure) for a 1$^1/_2$-Hour Fire Listing for all 4'0" x 10'0" and 8'0" x 10'0" door and frame assemblies. Fire listing certifications apply to all approved hollow metal and wood door assemblies in drywall or masonry wall construction
- Special FirePins™ are only required on 3-Hour assemblies. Please refer to page 95 for illustrations and information regarding the application of Pemko FirePins™

- All hinges are supplied with standard fastener kits. Replacement kits/individual fasteners may be purchased separately
- Particle Board/TORX fasteners may be purchased separately. Full-mortise hinges require 40 each; half-surface hinges require 20 each; full-surface hinges require 12 each
- All half-surface and full-surface hinges are supplied with a snap cover for the door leaf. Replacement snap covers may be purchased separately

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FULL MORTISE HINGES

- Full-Mortise units are designed mainly for new door applications and are applied to the frame rabbet and door edge to conceal both leaves

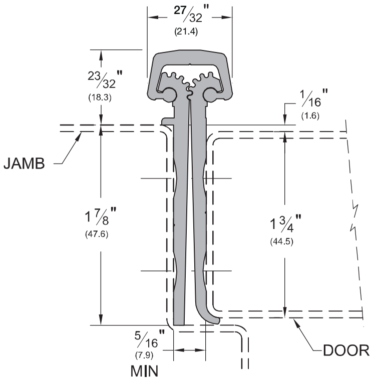
Full Mortise

_FM

STANDARD FINISHES: **BSP, C, D, SN, WSP, 10BE**

LISTED DOOR HINGE 76Y2

Evaluated in accordance with TAS201-94, TAS202-94, TAS203-94, ASTM E330, ASTM E1886, ASTM E1996, and ANSI A250.13 (includes PemKonnect version)



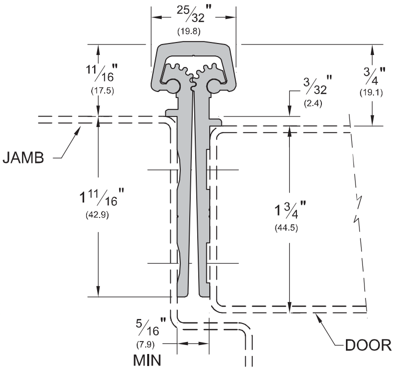
Modular Hinge Option

- Hinge is provided in 2 or 3 segments depending on length
- Hinges are packed in a shorter box and are easier to ship, transport, and store than traditional continuous hinges
- Available for select models, see price book for model availability

---

Full Mortise Short Leaf Inset

- Designed for use with doors which range between 1 3/4" to 2 1/4"
- Designed for use with hollow metal doors and frames where the inset conforms to S.D.I. specifications for aligning doors and frames



Evaluated in accordance with TAS201-94, TAS202-94, TAS203-94, ASTM E330, ASTM E1886, ASTM E1996, and ANSI A250.13

_FM_SLI

STANDARD FINISHES: **BSP, C, D, SN, WSP, 10BE**

LISTED DOOR HINGE 76Y2

Full Mortise Short Leaf Flush

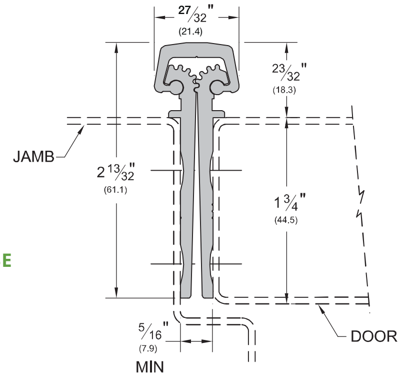
- Designed for use with doors which range between 1 3/4" to 2 1/4"
- Also used for bifold applications to keep the faces of the doors flush (not illustrated)

_FM_SLF

STANDARD FINISHES: **BSP, C, D, SN, WSP, 10BE**

LISTED DOOR HINGE 76Y2

Evaluated in accordance with TAS201-94, TAS202-94, TAS203-94, ASTM E330, ASTM E1886, ASTM E1996, and ANSI A250.13 (includes PemKonnect version)



Modular Hinge Option

- Hinge is provided in 2 or 3 segments depending on length
- Hinges are packed in a shorter box and are easier to ship, transport, and store than traditional continuous hinges
- Available for select models, see price book for model availability

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **BSP** (Black Suede Powder Coated Aluminum) **C** (Clear Anodized)
D (Dark Bronze Anodized) **SN** (Satin Nickel Powder Coated Aluminum) **WSP** (White Suede Powder Coated Aluminum)

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ELECTRICALLY MODIFIED CONTINUOUS GEARED HINGES

Electrical Modifications

- Pemko has vastly improved the cycle performance of the electrically modified hinge. Performance testing has shown that 3,000,000+ cycles can now be achieved using Pemko's exclusive polyurethane-coated 4, 8, or 12 TRI-FLEX titanium copper alloy cables. Each cable is capable of carrying 6 amps continuous or 16 amps in-rush @ 24-volts for 820 milliseconds. When ordering, please use the "shorthand code" shown in the chart page 82. For example, if you require a Clear Anodized standard Full-Mortise hinge at 83" with Quick Connect transfer - 4-wire, modified $36\frac{1}{4}$" from the top, right hand, you would order a CFM83 with QC4 at $36\frac{1}{4}$" from top - RH

Options for Electrically Modified Continuous Geared Hinges

These options allow variable degrees of service to be performed at the specific locations of the current carrying cables by installing a serviceable/removable hinge which includes a removable module (SER), or installing a hinge with a pivoting accessible feature (ACC).

- Both options (SER & ACC) are available in 4 Wire (QC4), 8 Wire (QC8), 12 Wire (QC12) variants
- Available on FM, FS, HS, KFM, SLF, SLI, XF, XI, XK, XM, X25M Models

Serviceable/Removable (SER) Module

The hinge is furnished to be installed in three sections allowing the current carrying cable to be serviced or replaced without removing the door from the frame. Additionally, the SER option allows the current carrying cables to be safely stored or delivered to the electrician or security contractor prior to the installation of the electrified hardware, eliminating the necessity of the electrician or security contractor being present when the doors are being hung.

Product Numbering Example: CFM83HD1xSER4

Accessible (ACC) Feature

The hinge is furnished to be installed in a single section with the leaves modified to pivot at the location of the current carrying cable and allow access to the cables and connected wiring.

Product Numbering Example: CFM83HD1xACC4

Concealed Magnetic Monitoring (CM)

Concealed magnetic monitoring is also available with the SER and ACC options. Magnetic monitor is supplied with monitor and an adjustable magnet.

Product Numbering Example: CFM83HD1xSER4xCM
CFM83HD1xACC4xCM

Customer Information Needed:

- Specify handing and prep location

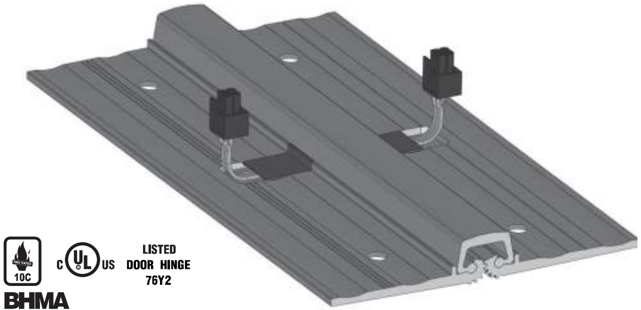
Included:

- HD1, 1100 and X-Series model hinges using Molex connectors with ElectroLynx® are warranted for five (5) years. Standard duty and HD3 hinges are warranted for one (1) year

ElectroLynx®

As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.



LISTED
DOOR HINGE
76Y2

Quick Connect Transfer For Full Mortise (FM) Hinges	QC4 4 WIRE
	QC8 8 WIRE
	QC12 12 WIRE

Quick Connect Transfer For Full Surface (FS) & Half Surface (HS) Hinges	QC4_S 4 WIRE
	QC8_S 8 WIRE
	QC12_S 12 WIRE

Additional Electrical Modifications Options Code	
Additional Length of Quick Connect Cable Leads	
Adjustable Concealed Magnetic Monitoring	CM
Power Transfer - Prep Only	PT

PEMKO
ASSA ABLOY

Experience a safer
and more open world

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Power Transfers

CEPT
Concealed Electrical Power Transfer

Beautifully crafted, compact, secure power transfer

The heavy-duty, tamper-resistant Concealed Electrical Power Transfer (CEPT) securely transfers power and data from the hinge side of the frame to electrified hardware on the door.

The unit is discreetly concealed between the frame and door when the door is closed. Available in three multi-wire configurations and four finishes, the CEPT complements any architectural setting.

Features

Standard Features

- Mortises into the edges of the door and frame
- Direct retrofit for competitor products
- Tamper resistant
- All metal construction including back boxes
- 7/8" [22.25mm] knockouts on back boxes accommodate EMF-type fittings
- Tested to 1 million cycles
- Compatible with butt hinges up to 6" [152.4mm] and continuous hinges with cutout
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- **CEPT-10** includes 8–22 AWG wires plus 2–18 AWG wires for higher current devices
- **CEPT-C5E** includes CAT5E compatible with 8-24 AWG wires, 1–22 AWG wire, conductor, Molex connectors
- **EL-CEPT** is ElectroLynx® compatible with 12-22 AWG wires, ElectroLynx connectors

UL CERTIFIED

LIFE MagnaCare Warranty
Fire Rated
Windstorm Resistant

Specifications

Certifications

- ANSI/UL 10C Listed, 3 hour rated
- ULC-S318 Listed, 3 hour rated
- ANSI/SDI-BHMA A250.13
  (+/- 150 psi) Windstorm Listed
- Florida Building Code Approved

Dimensions

- **CEPT Housing:**
  9-1/16"L x 1-3/16"W x 1-7/16"D
  [230.2mm L x 30.12mm W x 36.52mm D]

Shipping Weight

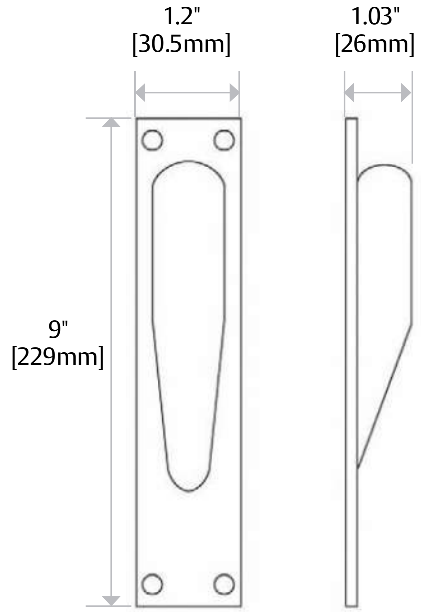
- 2.40 lbs [1.09 kg]

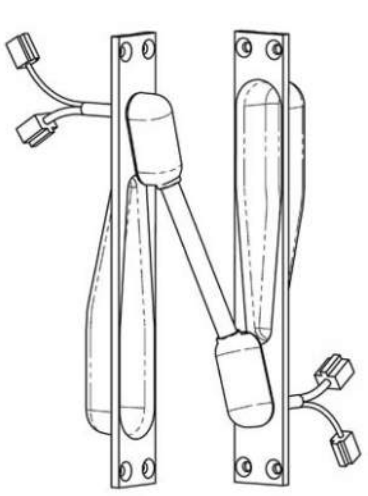
Technical Note

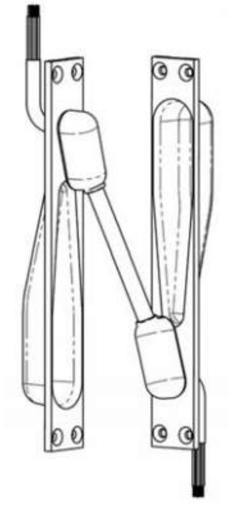
- Not for use with center hung or balanced doors, pocket or offset pivots or swing clear hinges.
- Door swing ranges when installed with butt hinges are:

HINGE SIZE	SWING RANGE
5" [127mm] or less	up to 180˚
5-1/2" [139.7mm]	up to 130˚
6" [152.4mm] Butt Hinge	up to 110˚

Dimensions







How to Order

WIRE CONNECTORS	SHAPE	NUMBER OF WIRES	FINISH
EL	– CEPT	– C5E	– 10B
(blank) No Connectors	**CEPT** Concealed Power Transfers	**(blank)** 12 Wires (EL option only)	**(blank)** 630 Satin Stainless Steel
EL ElectroLynx® Connectors		**10** 10 Wires	**04** 606 Satin Brass
		C5E 9 Wires	**10** 612 Satin Bronze
		NW No Wires	**613E** Dark Oxidized Satin Bronzed
			BSP Black Suede Powder

NOTE: Not every combination is possible. Please contact factory if you need a combination of features not listed above.

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Mullion Accessories, Stabilizers and Door Coordinators

Mullion Accessories

RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion.

651 Mullion Stabilizer Kit

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

980C1 Cylinder Mullion Kit

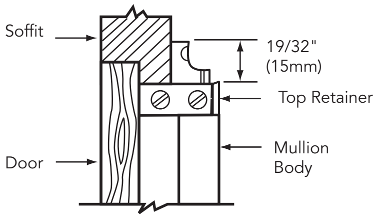
- Lockable mullions only
- Aluminum and steel
- Includes cylinder and collar

980C2 Cylinder Mullion Kit

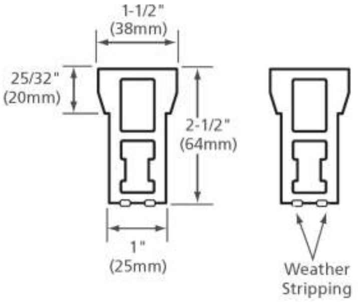
- Lockable mullions
- Electrified only
- Includes cylinder and collar

507 Narrow Transom Bars Adapter

- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide


Soffit
19/32" (15mm)
Top Retainer
Door
Mullion Body

650A Mullion


1-1/2" (38mm)
25/32" (20mm)
2-1/2" (64mm)
1" (25mm)
Weather Stripping

Mullion Weights & Packaging

Product		Avg Wt
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

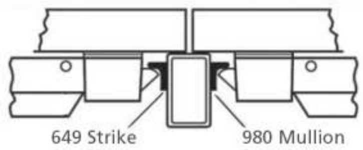
Cylinder Nut Wrench

This wrench simplifies the installation and removal of mortise cylinders nuts used on 700 Series Auxiliary Control (80 Series ET Trim).

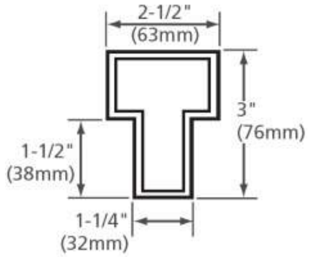
- Part number 97-0568

980S Mullion Application

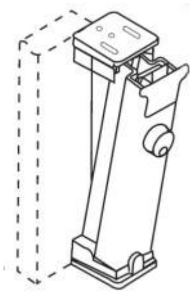
- All steel mullions are 2" x 3"


649 Strike
980 Mullion

980 Mullion & L980 Lockable Mullion


2-1/2" (63mm)
3" (76mm)
1-1/2" (38mm)
1-1/4" (32mm)

Lockable Mullion



Product Catalog

7800/8200 Series

Mortise Locks

Experience a safer
and more open world

Certifications*

8200/R8200/7800 Series Mortise Locks

Certification Compliance

ANSI/BHMA	Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. **Note:** LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL-cUL	UL and cUL Listed to US and Canadian safety standards for A label 4 x 10 single and 8 x 10 double (3 hour fire door) and lesser class doors, stamped letter F and UL symbol on armored front indicate listing
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face
Tornado and Hurricane Codes Hurricane	See below

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 7800/8200 lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"

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* Any undated reference to a code or standard appearing in this catalog shall be interpreted as referring to the latest edition of that code or standard.

** Published in the 7th Edition (2020), "Florida Building Code" (FBC), State Product Approval Number FL2998

Features

8200/R8200/7800 Series Mortise Locks

The patented SARGENT Mortise Locks are designed and constructed with high quality components to provide maximum security, performance and durability. These locks represent over a century of innovation and experience in manufacturing hardware and are the industry’s benchmark for mortise locks: strong, durable, flexible, innovative and secure.

Specifications

- For Doors 1-3⁄4" (44mm) thick standard
- Backset 2-3⁄4" (70mm) only
- Outside Front Plate Brass, bronze or stainless steel. 8" (203mm) x 1-1⁄4" (31mm), ANSI/BHMA Standard A156.115
- Front adjustable at any angle from flat to beveled 1⁄8" (3mm) in 2" (51mm)
- Hubs for Knobs/Levers
  - – 7800: sintered iron copper infiltrated
  - – 8200: cold forged steel
  - – R8200: investment cast steel
- Auxiliary Deadlatch is stainless steel and non-handed
- Specify hand on order; easily field reversible (if no hand is specified RH will be provided)
- Strike: Brass, bronze or stainless steel; ANSI Standard; curved lip, non-handed (strike box optional)
- Keys: Two, nickel silver (control key or emergency key must be ordered when required)
- Cylinder: Brass, size #41 (1-1/8") standard (except for Freewheeling, size #46 (1-3/4"))
- Can be masterkeyed or grand masterkeyed. Construction keying available. LA standard keyway
- Stile: 4-1/2" (114mm) minimum stile for 7800/8200/R8200, 4-3/4" (121mm) minimum stile for electrical function locks
- Door Prep: ANSI/BHMA A156.115 or A156.115W modified per template (see template)
- Warranty: 10 year limited warranty, 2 year limited warranty on electrified locks. Warranty limited to replacement of lockbody and/or components

Hurricane

Maximum Strength & Durability

- Sargent 8200 Series UL Cycle above and beyond test completed at 16 Million Cycles.
  Verification ID: V584148
- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1 with all standard trims
- Exceeds cycle testing requirements by 14 times the ANSI/BHMA A156.13 Grade 1 standard
- Case: 12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")
- 1/8" (.125") cold-rolled steel inside front holds lock securely in door
- Heavy duty wrought steel hubs and high carbon steel spring cartridge provide superior strength and cycle life for 8200 locks
- Latchbolt is stainless steel with 3/4" (19mm) projection one-piece, anti-friction reversible latch
- Deadbolt is one-piece hardened stainless steel with 1" (25mm) projection
- Optional 8200 stainless steel hubs for Institutional setting (specify 3- option)
- Patent pending and/or patent www.assaabloydss.com/patents

Features

8200/R8200/7800 Series Mortise Locks

Maximum Flexibility

- Fast and easy installation. Lock is easily re-handed without removing parts or opening the lock case
- Aesthetic design. Many escutcheon and lever styles available to match a wide range of styles
- Many standard architectural grade finishes, including Polished Nickel (US14) & Satin Nickel (US15) finishes
- 54 functions including 4 electrical functions. The most in the industry for a broad range of applications
- Versatile. Offered for door thicknesses ranging from 1-3/8" (35mm) to 6" (152mm)
- Available with vandalism deterrent trim and/or secure fastener options Torx® and spanner screws for high abuse conditions
- Available with push/pull trim, perfect for hospital applications
- Status indicator options provide peace of mind on the locked/unlocked status of a door

Innovation

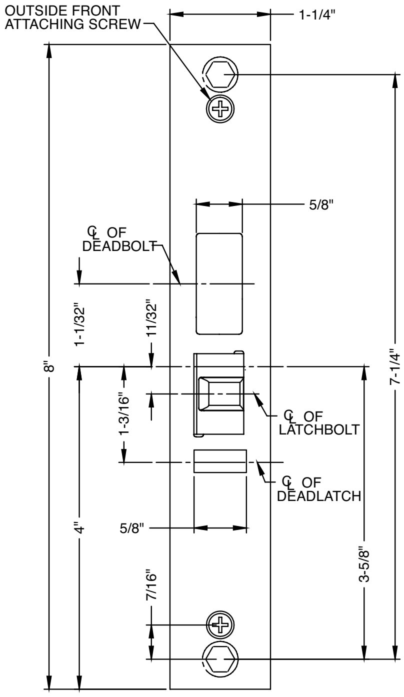
- First in the industry to offer a multi-functional lockbody that embodies 8 functions in 1 lockbody
- Easy operation. Only 30° of lever rotation required to retract latchbolt
- Lever springs contained inside of the lock case for easier installation
- SARGENT's revolutionary MicroShield® available. This antimicrobial silver-based finish coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. EPA and NSF approved and FDA listed
- Broad offering of electro-mechanical configurations offer higher security for the most demanding access/egress control applications featuring ElectroLynx® quick connectors

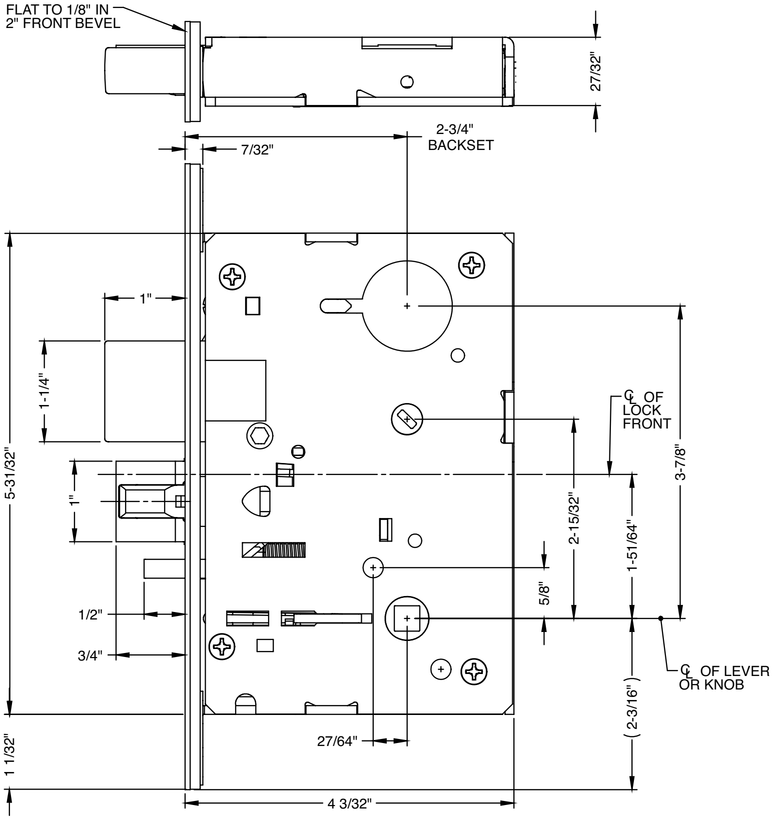
Security

- Multiple security trim options available: free-wheeling, security escutcheon and anti-vandal pull trim
- Security key systems available (Degree, Signature, Keso, Keso F1, & XC)

8200 & 7800 Lockbody Dimensions

(R8200 Lockbody not shown)


OUTSIDE FRONT
ATTACHING SCREW
1-1/4"
5/8"
℄ OF
DEADBOLT
8"
1-1/32"
11/32"
1-3/16"
℄ OF
LATCHBOLT
℄ OF
DEADLATCH
7-1/4"
4"
5/8"
7/16"
3-5/8"


FLAT TO 1/8" IN
2" FRONT BEVEL
27/32"
7/32"
2-3/4"
BACKSET
1"
1-1/4"
5-31/32"
1"
1/2"
3/4"
1 1/32"
℄ OF
LOCK
FRONT
3-7/8"
2-15/32"
1-51/64"
5/8"
(2-3/16")
℄ OF LEVER
OR KNOB
27/64"
4 3/32"

Note: R8200 and 8200 lockbodies are dimensionally the same except for the through-bolt locations

Explanation of the 8200/7800 Lockbody types:

Lockbody Type¹	Trim Available x Lockbody type	Standard 8200 Door Prep	Through Bolted Trim	Multi-function lockbody available	How to order lockbody only
8200	Lever x Rose/Escutcheon	Yes	Yes	Yes	82 x Function x Finish³
7800	Knob x Rose/Escutcheon	Yes	Yes	Yes	78 x Function x Finish³
R8200	Simplí™ roseless trim	No	Yes²	Yes	R82 x Function x Finish³
8200 for ALP	ALP Push/Pull Trim	Yes	Yes	Yes	Six Digit Part # determined by function*
7800 PT	PT Push/Pull Trim	Yes	Yes	Yes	Six Digit Part # determined by function*

[1] Lockbodies can only be used with the specified trim
[2] Through Bolt locations are different from standard trim, special door prep required
[3] **Note:** Cylinder and trim not included. Outside front, strike and screw pack are included
* See Price book; **Note:** Outside Fronts, Strikes, Cylinders and Trim are NOT included

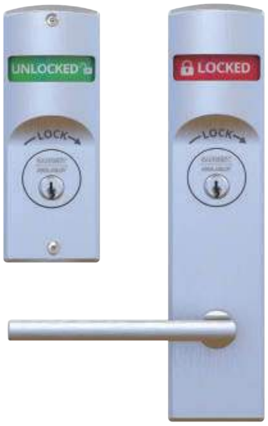
Indicators

7800/8200 Series Mortise Locks

Applications

7800/8200 Series indicators can be used in a variety of applications and are most commonly used to identify occupancy or display the locked/unlocked status of a room.

- Restrooms
- Quiet rooms
- Nursing mother's rooms
- Classroom doors



Features

- Inside, outside or both sides of the door
- Sectional or escutcheon trim
- Available with 35 different functions – including thumbturn functions
- Viewing window 25% larger than competition
- Patented curved design for viewing at multiple angles
- Window located prominently above the cylinder
- Highly reflective viewing window for increased safety
- Optional directional engraving available – must specify handing
- Retrofitable for existing applications

Functions

- Indicators are available with the following 7800 and 8200* Series functions. See pages 19-28 for details.

05
12
20
21
22
24
25
26
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NAC-PHR-82281
NAC-PHR-82285

* Indicators can retrofit to 8200 series mortise locks manufactured from the year 2002 to present.

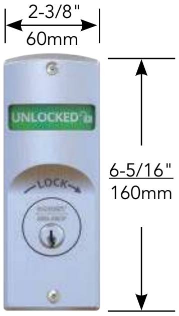
Indicators

7800/8200 Series Mortise Locks

Sectional Trim

- Surface mounted
- Torx security screws provided
- Compatible with select sectional trim rose designs: O, LN, E, TR, CR, CO, TO, E2, E3
- Compatible with all thumbturn designs
- Available with optional directional arrow engraving
- Not compatible with BHW, BHL, or BHD trims

Specify option code when ordered with lock. See page 35 for indicator codes.



Retrofit/Upgrade Kits

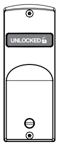
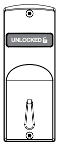
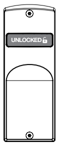
Retrofit/upgrade kits are available for existing applications only. Each kit includes single side indicator plate with mechanism, screw pack, plastic template and instructions.

To order retrofit/upgrade kits only, specify by model number below based upon function and mounting location. Door thickness and indicator option code must also be specified with kit.

Kits are handed and easily field reversible. All units are shipped from the factory with a default handing. Handing must be field verified and adjusted as needed per product installation instructions.

Retrofit/upgrade kits with directional engraving must include lock handing and lock function details.

See page 36 for how to order examples. **Note: Indicators for both sides of door require two kits.**

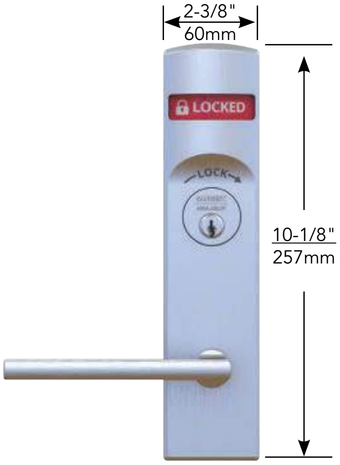
	Model #	Used with Functions	Available Option Codes	Indicator Location*
	SA190	20, 21, 22, 24, 25, 26, 28, 29, 30, 39, 40, 41, 43, 45, 46, 47, 50, 51, 52, PHR-NAC-82281	Outside Trim: V10, V20, V30, V40, V50, V60 Inside Trim: V01, V03, V04, V06	Inside and/or Outside per Function
	SA191	36, 56, 57, 58, 67		
	SA192	05, 37, 38, 42, 59		
	SA193	65, 66, 68	V10, V20, V30, V40, V50, V60	Outside
	SA194	21, 24, 25, 28, 43, 45, 47, 50, 51, 66, 68, PHR-NAC-82281, PHR-NAC-82285	V01, V03, V04, V06	Inside
	SA196	12, 56, 57, 58, 65, 67		
	SA198	05		
	SA197	12, 30, PHR-NAC-82285	Outside Trim: V10, V20, V30, V40, V50, V60 Inside Trim: V01, V03, V04, V06	Inside or Outside per Function

*When indicators are required on both sides of the door, 2 upgrade kits must be ordered, one kit for each side.

Escutcheon Trim

- Unique escutcheon (VN1) for both inside and outside of door for indicator functions
- Non-indicator functions provide with standard escutcheons as ordered, i.e. LE1, LE2, LE3, LE4, LW1, LS or WT
- Through-bolted
- Torx security screws optional
- Compatible with all thumbturn designs
- Available with optional directional arrow engraving
- Not compatible with select knob/lever designs: C, MK, MT, H001, H002, H003, H004, H005, H006, H007, H008, H009, H010, H011

Specify option code when ordered with lock. See page 35 for indicator option codes.



Trim Kits

Complete trim kits are available to retrofit/upgrade existing applications.

Trim kit includes levers and escutcheons with mechanism for both sides of door, screw pack, door marker and instructions.

To order trim kit only, specify by adding option code IS and the indicator option code (see pg. 35 for codes) to the complete order string. The IS option code will be used for all trim kits for the VN1 escutcheon with indicators. Both inside and outside will be supplied.

Option Code	Functions
IS	All functions*

*Escutcheon indicator trim kits available for all functions as listed on page 32

Note: Escutcheon applications require both sides of the door to have the unique VN1 escutcheon. Kits will be provided as a set.

How to Order Example

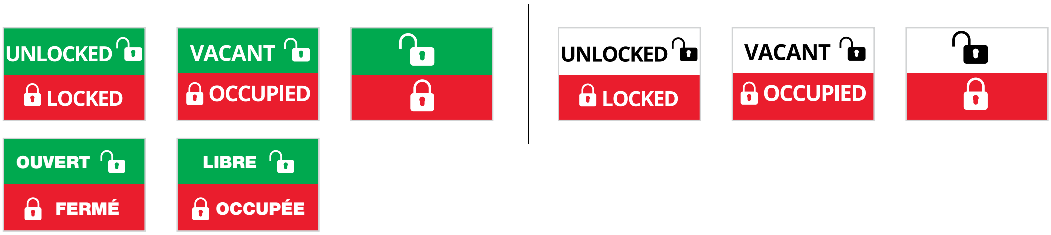
Option Codes	Function	Estcutcheon	Lever	Door Thickness	Hand	Finish
IS-V04-	8256*	VN1	L	1-3/4"	RH	26D

* The function of the existing lock is required so the proper escutcheons can be provided.

Office & Inner Entry Lock x escutcheon trim x inside indicator - Unlocked/Locked – Red/White x trim only.

Indicator Option Codes

7800/8200 Series indicator option codes are designed to convey wording, color and side of door desired in one simple code. To order, specify option code for complete locksets and/or retrofit/upgrade trim kits.



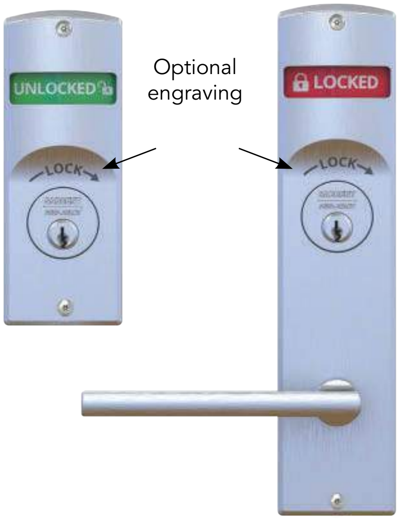
Single Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V10	Unlocked/Locked	No Indicator	Green/Red
V10F	Ouvert/Fermé	No Indicator	Green/Red
V20	Vacant/Occupied	No Indicator	Green/Red
V20F	Libre/Occupée	No Indicator	Green/Red
V30	Icons Only	No Indicator	Green/Red
V40	Unlocked/Locked	No Indicator	White/Red
V50	Vacant/Occupied	No Indicator	White/Red
V60	Icons Only	No Indicator	White/Red
V01	No Indicator	Unlocked/Locked	Green/Red
V01F	No Indicator	Ouvert/Fermé	Green/Red
V03	No Indicator	Icons Only	Green/Red
V04	No Indicator	Unlocked/Locked	White/Red
V06	No Indicator	Icons Only	White/Red
Double Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V11	Unlocked/Locked	Unlocked/Locked	Green/Red
V11F	Ouvert/Fermé	Ouvert/Fermé	Green/Red
V21	Vacant/Occupied	Unlocked/Locked	Green/Red
V21F	Libre/Occupée	Ouvert/Fermé	Green/Red
V33	Icons Only	Icons Only	Green/Red
V44	Unlocked/Locked	Unlocked/Locked	White/Red
V54	Vacant/Occupied	Unlocked/Locked	White/Red
V66	Icons Only	Icons Only	White/Red
Engraving			
Option Code	**Outside**	**Inside**	**Wording**
EMA	Engraving	No Engraving	"Lock" with arrow
EMB	No Engraving	Engraving	"Lock" with arrow
EMC	Engraving	Engraving	"Lock" with arrow

Engraving Options

- Laser engraving with "LOCK" and directional arrow
- Only available in the following finishes: 3, 4, 14, 15, 26, 26D, 32, 32D
- Available with MicroShield®
- Door handing must be specified

Option Code	Description
EMA	Engraving located on outside of door
EMB	Engraving located on inside of door
EMC	Engraving located on inside and outside of door

Note: Engraving is available as an option for all functions when ordered with an indicator. Option codes must be specified with complete lock and/or retrofit (upgrade) kits/trim. EMC is not available with sectional trim upgrade kits.



How to Order Examples

Complete with Lock

Sectional Trim

Option Code	Function	Rose	Lever	Hand	Finish
V04	8238	O	L	RH	26D

Escutcheon Trim

Option Code	Function	Escutcheon	Lever	Hand	Finish
V54 x EMB	8265	VN1	L	RH	26D

Privacy Bedroom/Bath function x escutcheon trim x double indicator - Vacant/Occupied – Red/White (Outside) Unlocked/Locked – Red/White (Inside)

Retrofit (Upgrade)/Trim Kit Only

Sectional Trim*

Option Code	Model #	Door Thickness	Finish
V04	SA190	1-3/4"	26D

Keyed function indicator for sectional trim x single indicator inside – Unlocked/Locked – Red/White

* When indicators are required on both sides of the door, 2 upgrade kits must be ordered, one kit for each side.
All units are shipped from the factory with a default handing. Handing must be field verified and adjusted as needed per product installation instructions.

Escutcheon Trim

Option Codes	Function	Esctucheon	Lever	Door Thickness	Hand	Finish
IS-V04-	8256**	VN1	L	1-3/4"	RH	26D

Office & Inner Entry Lock x escutcheon trim x inside indicator - Unlocked/Locked – Red/White x trim only.
** The function of the existing lock is required so the proper escutcheons can be provided.

Sectional Trim Only Indicators

The following indicators are available with sectional trim only and have different features and options than the indicators found on pages 32-36. To order the following sectional indicators with locksets, specify option codes 49- or 50-.

49- Option Visual Status Indicator for Non Secure Applications

Inside Only

185C

- Designed to work with Classroom security functions
- Red/White indicator plate standard
- Mounts on inside of door
- Functions and Roses available:
  – 30, 36 & 37 Functions with 7800, 8200 and R8200 locks, CR, L, LN, TR, E & O Roses
  – 26, 29, 38, 39, 40 and 41 Functions with 7800, 8200, and R8200 locks & LN Roses Only
- As retrofit, order 185C x finish

49- Option Occupancy Indicator with Emergency Release

185P

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard
- Mounts on outside of door
- Emergency coin operated release standard
- Functions and Roses available:
  – 65, 66, 68 Functions with 7800, 8200, and R8200 locks, CR, E, L, LN, O & TR Roses
- As retrofit, order 185P x finish

50- Option Secured Indicator Rose

- Non-handed with lever and mounting posts field reversible
- VAC/OCC indicator plate standard
- Mounts on outside of door
- Available for the following functions: 24, 25, 26, 28, 29, 30, 36, 37, 38, 39, 40, 41, 43, 45, 50, 51, 52, 57, 58, 67 - with Rose Trim only
- Patent pending and/or patent www.assaabloydss.com/patents
- Not available with Roseless trim (R8200)
- For retrofit, order 185S x suffix x finish:

Suffix	Door Thickness
-1	1-3/8" (35mm)
-2	1-3/4" (44mm)
-3	2" (51mm)
-4	2-1/4" (57mm)

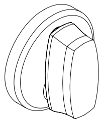
Note: For 49- and 50- Options, key will not retract latch when used with 37 and 38 functions

Thumbturn Designs

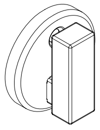
8200/R8200/7800 Series Mortise Locks

130KB Round Backplate

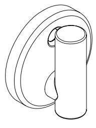
(Shown with Standard Turn)



T1 Turn



T2 Turn

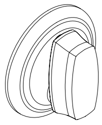


T3 Turn

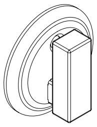
- Round backplate supplied standard with L, O, LN roses and R8200 roseless trim
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate
- Meets ADA Requirements

130KT Traditional Backplate

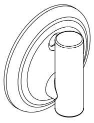
(Shown with Standard Turn)



T1 Turn



T2 Turn

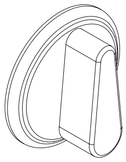


T3 Turn

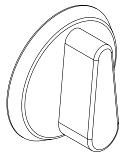
- Dual radii edge backplate supplied standard with TO and TR roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass plate
- Meets ADA Requirements

130LB Large Round Backplate

(Shown with Large ADA Turn)



130LT



130LC

- Available with R8200 & 8200 with sectional trim
- 40% larger than standard thumbturn
- Specify LB as an option for ADA turn
- 2" (51mm) round brass, zinc, or stainless steel plate & turn
- 130LT - Traditional backplate, 130LC — Contemporary backplate
- Meets ADA Requirements

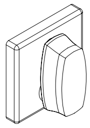
126 T-Turn

(7892 function only)

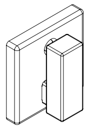
- 2-3/16" (56mm) round stainless steel backplate
- 2-3/8" (61mm) tall thumbturn
- Available in brass or bronze finishes only
- Surface mounted with three screws
- Order as “SST” trim with 7892 function

130KA Square Backplate

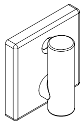
(Shown with Standard Turn)



T1 Turn



T2 Turn

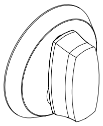


T3 Turn

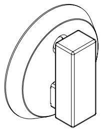
- Square backplate supplied standard with E, E2, E3 or E4 roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate
- Meets ADA Requirements

130KC Contemporary Backplate

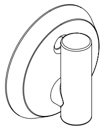
(Shown with Standard Turn)



T1 Turn



T2 Turn



T3 Turn

- Beveled edge backplate supplied standard with CO and CR roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass or stainless steel plate
- Meets ADA Requirements

130KBHA Turn for use with 8200 Mortise BHW, ALP, BHL and BHD Trim

- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

130W Round Backplate

(Shown with Standard Turn)

- Used with 7800 with sectional trim
- 1-1/2" (38mm) round brass or stainless steel plate

Emergency Releases & Accessories

8200/R8200/7800 Series Mortise Locks

Emergency Releases

184KB Emergency Release (used with R8200 & 8200 with sectional trim)

- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Studio Collection Emergency Release

- 184KC Emergency Release Contemporary
- 184KT Emergency Release – Traditional

184W Emergency Release (used with 7800 with sectional trim)

- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

184KA Emergency Release (used with E rose)

- 1-1/2" (38mm) square brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Emergency Key 14-0057

- Carbon steel
- For 65, 66 and 68 functions only
- Must be ordered separately

184KBHA Emergency Release (used with BHW, ALP, BHL and BHD trim)

- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

Accessories

130KBCVR Cap

- Thumbturn plate
- Covers hole in door when thumb turn is no longer needed

82-4023 Cap

- 2" round
- Covers hole for levers and roses

Door Thickness	Part Number
1-3/8"	82-4022
1-3/4"	82-4023
2"	82-4024
2-1/4"	82-4025

Trim One Side Kit

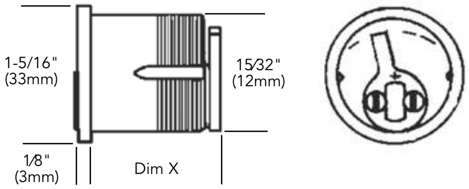
Refer to page 51 for a complete list of kits

Cylinder Lengths (Dim X)

Cylinder No.	41	42	43	44	46	48	50	52	54	56
Dim X Length Under Cylinder Head	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)	2" (51mm)	2-1/4" (57mm)	2-1/2" (64mm)	2-3/4" (70mm)	3" (76mm)

40 Series Type Cylinder

- Cylinder body: Solid brass
- Cap: Brass, bronze or stainless steel
- All functions take a Standard Cam Functions
- Standard Cam 13-0664
- 16 & 92 Inside Cam -105
- 50 Hotel Cam -115 supplied standard with all Hotel Function Cylinders



7850/8250 Function Hotel Cylinder

- When door is locked by deadbolt, only emergency key is able to unlock
- Must request emergency key separately (7268EMK x reg #)
- Supplied with Cam suffix -115 for Hotel Functions

78- Option Exposed Barrel

- Standard for use only with SARGENT Escutcheon Trims KE3, KE4, LE3, LE4
- Available 6-Pin standard or 7-Pin optional
- NOT available with 50-, 60-, 70- or other specialty or higher security options
- See function table for cam required
- Not available in 50 function
- Plug finishes: 4, 15 (similar to 26 finish)

124 Series Mortise Cylinder Turn Lever

- Turn lever: Brass, bronze or aluminum
- Cap: Brass, bronze or stainless steel
- Must be ordered separately

10- Option Signature Series

- The protected system offers the building owner full control over duplication of keys. Highly pick-resistant cylinders
- 10-63- Option — Signature cylinder with Large Format Interchangeable Cores

F1-82- and 82- Option KESO

- The system offers the building owner full control over duplication of keys
- Highly pick-resistant cylinders
- Expanded levels of masterkeying
- F1-83- & 83- Option — Keso removable core
- 84- Option — Keso construction core cylinder

11- Option XC Key System

- Key system works with existing SARGENT keyway adding increased security
- 11- XC standard cylinder
- 11-63- Large format interchangeable core
- 11-73- Small format interchangeable core

DG1, DG2, DG3 - Degree Series

- Utility patented, bump resistant and requires the use of a patented key
- All three locking mechanisms within the same system to be operated with just one key
- See Degree Key System Catalog for available options

Not all cylinder series offered in sizes listed above, for complete cylinder information, see Cylinders & Components, Degree, Signature, Keso, Keso F1 or XC catalogs.

51- Option Old Style Removable Core

- Available for **existing systems only** Permanent Removable Cores
- Control key used to remove core, must request control key separately

60- or 70- Option Plastic Construction Core

- For doors that do not require key locking during the construction period
- Operate with coin or flat screw driver
- For use with LFIC (removable) (60- Option) or SFIC (70- Option) core

63- Option Large Format Interchangeable (Removable) Core

- Allows immediate removal of the core. Virtually unlimited key changes
- Available 10-63-, 11-60-, 11-63- & 11-64-
- For disposable core, see 60- Option
- 64- Option- LFIC 6-Pin construction core
- Control key used to remove core, must request control key separately

7300B Interchangeable Core

- Small Format Interchangeable Core (SFIC)
- SARGENT Interchangeable Core cylinders and MasterKey Systems are available for increased security through quick change of keying. It is unnecessary to remove a cylinder
- SARGENT 7300B Interchangeable Cores are available in SARGENT 4A and 4B keyways, as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M
- For disposable core, see 70- Option
- 65-73 Option — 6-Pin SFIC uncombinated
- 65-73-7P Option — 7-Pin SFIC - uncombinated
- 70- Option — Disposable SFIC
- 72- Option — Construction SFIC
- 11-72- Construction core provided for use with 11-7300 cylinder housing 11-70- temporary plastic core prepared to accept 11-7300 core
- 73- Option — 6-Pin SFIC, SARGENT 4A, 4B keyways
- 73-7P Option — 7-Pin SFIC, SARGENT 4A, 4B keyways
- Control key used to remove core (ordered separately)

1SB Cylinder Collar

- Standard for 7800 BHD, 8200 BHL & BHW mortise locks
- Stainless steel
- 1-29/32" diameter
- Available in 4 sizes
- Projection from door:

1SB-1	5/16" (8mm)
1SB-2	7/16" (11mm)
1SB-3	9/16" (14mm)
1SB-4	11/16" (16mm)

- Finishes: 32, 32D

21- Option Lost Ball Construction System

- The SARGENT construction keying system protects the building owner by providing temporary masterkeying during the construction period

1KB Rosette with 8200 & R8200 sectional trim

- Used with mortise cylinders and No. 90 blocking rings when cylinders project from door
- Furnished standard with L, O, LN, CO, CR, TO and TR roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP
- Projection from door:

1KB-1	5/16" (8mm) — Standard
1KB-2	7/16" (11mm)
1KB-3	9/16" (14mm)
1KB-4	11/16" (16mm)

1KA Rosette with 8200 sectional trim

- Used with mortise cylinders
- Furnished standard with the E, E2, E3 and E4 roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) Square, includes compression spring
- Projection from door:

1KA-1	5/16" (8mm) — Standard
1KA-2	7/16" (11mm)
1KA-3	9/16" (14mm)
1KA-4	11/16" (16mm)

- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

No. 97 Rosette

- Standard for cylinders ordered separately from hardware
- Standard for 7800 knob mortise & 4870 deadbolt
- Brass, bronze or stainless steel
- 1-11/16" diameter (43mm), 9/32" (7mm) projection, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

No. 90 Blocking Ring

- Used with 1KB rosettes as spacer when mortise cylinder projects from face of door
- Brass, bronze or stainless steel
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

1KB-5 Cylinder Retaining Cap

- Required for double cylinder functions on LS Escutcheon *only*
- Steel or stainless steel
- 1-15/32" (37mm) diameter
- 9/16" (14mm) projection
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

Rosette Requirements & Cams

8200/R8200/7800 Series Mortise Locks

Single Cylinder / **Double Cylinder**

Sectional Trim (CO, CR, L, LN, O, PT, SL, SN, TO, TR)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-2	1KB-1	1KB-1	N/A
42	1KB-3	1KB-2	1KB-2	1KB-1
43	1KB-4	1KB-3	1KB-3	1KB-3

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-3	1KB-2	1KB-1	N/A
42	1KB-4	1KB-3	1KB-2	1KB-1
43	97-0352	1KB-4	1KB-3	1KB-2

Sectional Trim (E, E2, E3, E4)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KA-2	1KA-1	1KA-1	N/A
42	1KA-3	1KA-2	1KA-2	1KA-1
43	1KA-4	1KA-3	1KA-3	1KA-3

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KA-3	1KA-2	1KA-1	N/A
42	1KA-4	1KA-3	1KA-2	1KA-1
43	▨	1KA-4	1KA-3	1KA-2

Escutcheon Trim (CE, KE1, KE2, KW1, LE1, LE2, LW1, TE)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-1	Cylinder Only	Cylinder Only	Cylinder Only
42	1KB-2	1KB-1	Cylinder Only	Cylinder Only
43	1KB-3	1KB-1	1KB-1	Cylinder Only

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-2	90 1/8	Cylinder Only	Cylinder Only
42	1KB-3	1KB-2	1KB-1	Cylinder Only
43	1KB-4	1KB-3	1KB-2	90 1/8

Escutcheon Trim (WT)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	97	Cylinder Only	Cylinder Only	Cylinder Only
42	1SB-2	97	Cylinder Only	Cylinder Only
43	1SB-3	97	97	Cylinder Only

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-2	97	Cylinder Only	Cylinder Only
42	1SB-3	1SB-2	97	Cylinder Only
43	1SB-4	1SB-2	1SB-2	97

Specialty Hardware (BHW, BHL, BHD, ALP)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-2	1SB-1	1SB-1	N/A
42	1SB-3	1SB-2	1SB-2	1SB-1
43	1SB-4	1SB-3	1SB-3	1SB-3

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-3	1SB-2	1SB-1	N/A
42	1SB-4	1SB-3	1SB-2	1SB-1
43	1SB-4	1SB-4	1SB-3	1SB-2

Sectional and Escutcheon Trim with V Series Indicators

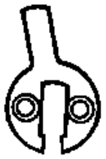
Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	Cylinder Only	Cylinder Only	N/A	N/A
42	1KB-1	Cylinder Only	Cylinder Only	N/A
43	1KB-2	1KB-1	Cylinder Only	Cylinder Only

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-1	Cylinder Only	N/A	N/A
42	1KB-1	1KB-1	Cylinder Only	N/A
43	1KB-2	1KB-1	1KB-1	Cylinder Only

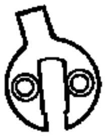
Cylinder Cams For Mortise Locks

SARGENT Conventional Cylinders

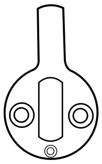
- Standard



Std Cam
(13-0664)
for all functions except for 50 and the Inside cam for 16 & 92 function locks



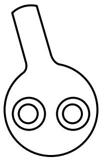
-105 Cam
(13-0665)
16 & 92 Function Inside Cylinder Cam



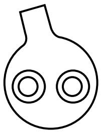
-115 Cam
(13-2045)
50 Function Hotel Cam, supplied with 50 function cylinders

SARGENT Large Format Interchangeable Core Cylinders

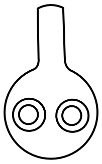
- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix: 63-44-105 cam
- For Standard Cam: no suffix is required



Std 6300 Cam
for all functions except for 50 and the Inside cam for 16 & 92 function locks



-105 Cam
for 6300 Series 16 & 92 function I/S Cylinder



-115 Cam
for 6300 Series 50 (Hotel) function, supplied with 50 function cylinders

See Cylinder catalogs for additional information

ADA and Handicap Warning

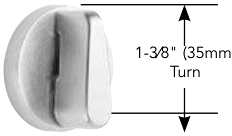
8200/R8200/7800 Series Mortise Locks

ADA and Handicap Warning

Lever Return to Door

- Lever designs H002, H005, H006, H016, J, L, MX, MW, MZ, ND, NF, NJ, NS, NU, P
- Lever returns within 1/2" (13mm) of door face or less
- Meets ADA Compliance for national codes

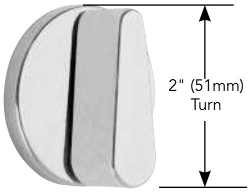
Standard Thumbturn



- Meets ADA Compliance for national codes
- Order as: 130KB, 130KC, 130KT, 130W or 130KA x finish

See page 38 for design

LB - Thumbturn



- Meets the tougher local ADA requirements
- 40% larger than standard thumb turn
- Order as: 130LB, 130LC or 130 LT x finish

See page 38 for design

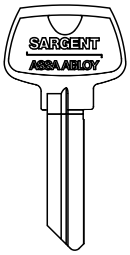
Tactile Handicapped Warning

- Abrasive Coating: Options 85-, 86- & 87-
  - – Complete lever abrasive coated
- Milled 1/16" Grooves: Options 75-, 76- & 77-
  - – B, E, J, L, P and W Levers — Grooves on backside surface of lever
  - – F Lever — Grooves on top and bottom surface of lever

Tactile Handicapped Warning

- Knurled B & C Knobs available ; options 75-, 76-, & 77-
- Knobs are NOT ADA compliant

Keys



- Large key bows are available in Sargent C family of keyways
- Standard key bows can have attachments added to increase the grip area
- Keys are NOT ADA compliant

Mechanical Options

8200/R8200/7800 Series Mortise Locks

Mechanical Options:

Available mechanical options by lock type

Categories	How to Specify	Detailed Description	8200	R8200	7800
1-3/8" Door	1-	1-1/16" (27mm) wide front for 1-3/8" (35mm) doors (not available with RX-Option) (1- for 93 + 94 function is a special order)	X	—	X
Add Strength	3-	Stainless steel hubs with in the mortise lock	X	—	—
Strike Option	23-	4-7/8" (124mm) ANSI flat lip strike	X	X	X
	OBS-	Open back strike	X	X	X
	WBS-	Wrought box strike	X	X	X
Thick Doors	31-	For doors 1-7/8" (48mm) to 2-1/4" (57mm) thick — see cylinder options for limitations on door thickness. When ordering the following information is required: Location of lock within the door, door thickness -IF PANELED -must specify panel thickness & panel location (inside or outside of the door) For doors thicker than 2-1/4" — consult factory.	X	X	X
Security Fasteners	36-	6 Lobe head security screws (Torx® type)	X	—	X
	37-	Spanner head security screw (not available with Studio levers)	X	—	X
Visual Indicators	49-	Visual Status Indicator or Occupancy indicator with emergency release (not available with escutcheon trim)	X	X	X
	50-	Secured indicator rose (available with rose trim only)	X	—	X
	V10	Single Indicator Outside - Unlocked/Locked - Green/Red	X	—	X
	V20	Single Indicator Outside - Vacant/Occupied - Green/Red	X	—	X
	V30	Single Indicator Outside - Icons Only - Green/Red	X	—	X
	V40	Single Indicator Outside - Unlocked/Locked - White/Red	X	—	X
	V50	Single Indicator Outside - Vacant/Occupied - White/Red	X	—	X
	V60	Single Indicator Outside - Icons Only - White/Red	X	—	X
	V01	Single Indicator Inside - Unlocked/Locked - Green/Red	X	—	X
	V03	Single Indicator Inside - Icons Only - Green/Red	X	—	X
	V04	Single Indicator Inside - Unlocked/Locked - White/Red	X	—	X
	V06	Single Indicator Inside - Icons Only - White//Red	X	—	X
	V11	Double Indicator - Unlocked/Locked - Green/Red (Outside) Unlocked/Locked - Green/Red (Inside)	X	—	X
	V21	Double Indicator - Vacant/Occupied - Green/Red (Outside) Unlocked/Locked - Green/Red (Inside)	X	—	X
	V33	Double Indicator - Icons Only - Green/Red (Outside) Icons Only - Green/Red (Inside)	X	—	X
	V44	Double Indicator - Unlocked/Locked - White/Red (Outside) Unlocked/Locked - White/Red (Inside)	X	—	X
	V54	Double Indicator - Vacant/Occupied - White/Red (Outside) Unlocked/Locked - White/Red (Inside)	X	—	X
	V66	Double Indicator - Icons Only - White/Red (Outside) Icons Only - White/Red (Inside)	X	—	X
	EMA	Outside Engraving with "Lock" and Directional Arrow	X	—	X
	EMB	Inside Engraving with "Lock" and Directional Arrow	X	—	X
	EMC	Engraving Both Sides with "Lock" and Directional Arrow	X	—	X
Visual Indicators - French	V10F	Single Indicator Outside - Ouvert/Fermé - Green/Red	X	—	X
	V20F	Single Indicator Outside - Libre/Occupée - Green/Red	X	—	X
	V01F	Single Indicator Inside - Ouvert/Fermé - Green/Red	X	—	X
	V11F	Double Indicator - Ouvert/Fermé - Green/Red (outside) Ouvert/Fermé - Green/Red (inside)	X	—	X
	V21F	Double Indicator - Ouvert/Fermé - Green/Red (outside) Libre/Occupée - Green/Red (inside)	X	—	X

* Available on 15, 26D, and 32D Finishes only

** Not available in combination

Mechanical Options

8200/R8200/7800 Series Mortise Locks

Categories	How to Specify	Detailed Description	8200	R8200	7800
Electrical Options	DX-	Deadbolt monitoring — Monitor deadbolt position (not available with LX-)	X	X	X
	LX-	Latchbolt monitor — Monitors latchbolt position (not available with deadbolt functions)	X	X	X
	RX-**	Request to Exit — Monitors each lever independently (not available with LB-option)	X	X	X
	TL-	SARGuide illuminated inside WT trim with the word EXIT illuminated (4-1/2" pocket depth required)	X	—	—
Lever/Knob Combination	68-	8200 Lock furnished w/lever handle outside x knob inside (not available with the AV-Option or FE Trim)	X	—	—
	69-	8200 Lock furnished w/lever handle inside x knob outside (not available with the AV-Option or FE Trim)	X	—	—
Lead Lining	74-[2]	Lead lining or wrapping available with sectional trim only (not available with DX-or LX-Options)	X	—	X
Tactile Warnings	75-	Tactile Warning — Milled levers or knurled knobs. Inside trim only (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	76-	Tactile Warning — Milled levers or knurled knobs. Outside trim only (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	77-	Tactile Warning — Milled levers or knurled knobs. Inside & outside trim (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	85-[3]	Tactile Warning — Abrasive coating inside trim only (not available with D knobs)	X	X	X
	86-[3]	Tactile Warning — Abrasive coating outside trim only (not available with D knobs)	X	X	X
	87-[3]	Tactile Warning — Abrasive coating inside & outside trim (not available with D knobs)	X	X	X
Anti-Vandal Trim	AV-	Anti-Vandal pull trim (not available with LS & FE trim and Options 1-, 31-, 49-, 50-, 68-, 69-, 76-, 77-, 86-, 87-, DX-or SG-)	X	—	X
Finish Protection	CPC-	Clear Powder Coat (available for 32 & 32D finishes)	X	X	X
	SG-[1]	MicroShield® antimicrobial clear powder coat	X	X	X
Thumbturns (See page 38)	LB-	ADA Extra large thumbturn; backplate matches rose design chosen	X	X	X
	T1-	Decorative thumbturn; backplate matches rose design chosen	X	X	—
	T2-	Decorative square thumbturn; backplate matches rose design chosen	X	X	—
	T3-	Decorative cylinder thumbturn; backplate matches rose design chosen	X	X	—

1 Available on 15, 26D, and 32D Finishes only
2 Not available in combination
3 Entire lever surface provided with abrasive coating

Cylinder Options

8200/R8200/7800 Series Mortise Locks

Cylinder Options:

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Conventional Cylinder		SARGENT Conventional Cylinders supplied standard	41-44,46,48,50,52,54,56
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)	41-44, 46
	DG1-21-*	Degree Level 1 Construction Master Keying	41-44, 46
	DG1-60-	Degree Level 1 Removable Disposable Construction Core	41-44, 46
	DG1-63-	Degree Level 1 Removable Core	41-44, 46
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC	41-44, 46
	DG1-65-*	Degree Level 1 Unassembled/Uncombined Core	41-44, 46
	DG1-78-*	Degree Level 1 Exposed Plug (for use with LE3/LE4 escutcheons only)	41-43
	DG2-*+	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)	41-44, 46
	DG2-21-*	Degree Level 2 Construction Master Keying	41-44, 46
	DG2-60-*	Degree Level 2 Removable Disposable Construction Core	41-44, 46
	DG2-63-*	Degree Level 2 Removable Core	41-44, 46
	DG2-64-*	Degree Level 2 Removable Construction Keyed LFIC	41-44, 46
	DG2-65-*	Degree Level 2 Unassembled/Uncombined Core	41-44, 46
	DG3-*+	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)	41-44, 46
	DG3-21-*	Degree Level 3 Construction Master Keying	41-44, 46
	DG3-60-*	Degree Level 3 Removable Disposable Construction Core	41-44, 46
	DG3-63-*	Degree Level 3 Removable Core	41-44, 46
	DG3-64-*	Degree Level 3 Removable Construction Keyed LFIC	41-44, 46
Signature Key System	**10-***	SARGENT Signature Key System (not available with other key systems)	41-44,46,48,50,52,54,56
	10-21-*	SARGENT Signature Construction Key System (Lost Ball)	41-44,46,48,50,52,54,56
Signature Large Format Interchangeable Core (Removable Core)	**10-63-***	SARGENT Signature LFIC (removable) Core Cylinder	42, 43, 44 & 46
XC- Key System	**11-***	XC Key System (not available with other key systems, unless specified)	41-44,46,48,50,52,54,56
	11-21-*	XC- Construction Key System (Lost Ball)	41-44,46,48,50,52,54,56
XC- Large Format Interchangeable Core (Removable Core)	**11-60-***	Hardware to accept XC- Permanent LFIC (removable core), disposable plastic core provided	42, 43, 44 & 46
	11-63-*	Hardware provided with XC- LFIC (removable core) cylinder (Includes masterkeying, grand masterkeying)	42, 43, 44 & 46
	11-64-*	Hardware provided with keyed construction core to accept XC- LFIC (removable) permanent core ordered separately	42, 43, 44 & 46
XC- Small Format Interchangeable Cores	**11-70-7P-***	Hardware to accept XC- SFIC (7-Pin) XC- permanent cores, disposable plastic core provided	43 & 46
	11-72-7P-*	Hardware to accept XC- SFIC (7-Pin keyed construction core provided) cylinder permanent core ordered separately	43 & 46
	11-73-7P-*	Hardware provided with XC- Small format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
	11-65-73-7P-*	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (permanent) core (packed loose)	43 & 46
Construction Key System	**21-***	SARGENT Lost Ball Construction keying for conventional, XC and Signature Series (N/A with 63- or 73-)	—
	22-*	SARGENT Construction Split Key System for conventional cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)	—
Old Style Removable Core	**51-***	Removable core cylinder (Old style) provided (existing systems only)	142,143,144,146
	52-*	Removable construction core (Old style) permanent core ordered separately (existing systems only)	142,143,144,146

* Options not available with 50 function lockout cylinder

+ Not available with R8200 Series

Note: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements

Cylinder Options

8200/R8200/7800 Series Mortise Locks

Cylinder Options:

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Large Format Interchangeable Core	**60-**	Hardware to accept SARGENT permanent LFIC (removable core), disposable plastic core provided (permanent cores ordered separately)	42, 43, 44 & 46
	63-	Hardware provided with LFIC (removable core) cylinder - (Includes masterkeying, grand masterkeying)	42, 43, 44 & 46
	64-	Hardware provided with Keyed construction core to accept LFIC (removable) permanent core (ordered separately)	42, 43, 44 & 46
Small Format Interchangeable Cores	**70-***	Hardware to accept 6- or 7-Pin SFIC permanent cores, disposable plastic core provided	43 & 46
	72-*	Hardware to accept 6- or 7-Pin SFIC (keyed construction core provided) cylinder (permanent core ordered separately)	43 & 46
	73-*	Hardware provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)	43 & 46
	65-73-*	Hardware provided to accept uncombinated 6-Pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	65-73-7P-*	Hardware provided to accept uncombinated 7-Pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	73-7P-*	Hardware provided with Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
Keso & Keso F1	**81-***	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (permanent cores ordered separately)	172-174,176
	82-	Hardware provided with SARGENT Keso security cylinder	71-74,76
	F1-82-	Hardware provided with SARGENT Keso F1 security cylinder (patented)	71-74,76
	83-*	Hardware provided with SARGENT Keso security removable core cylinder	172-174,176
	F1-83-*	Hardware provided with SARGENT Keso F1 security removable core cylinder (patented)	172-174,176
	84-*	Hardware provided with SARGENT Keso construction cores (permanent cores ordered separately)	172-174,176
Additional Security	**BR-**	Bump resistant cylinder (available with conventional & conventional XC cylinders only)	—
Less Cylinder	**LC-**	Less cylinder – SARGENT supplies standard blocking rings for 1-1/8" cylinders (for longer cylinders order collars/rings separately)	—
Schlage Keyways	**SC-*^**	Schlage C keyway cylinder, 0 bitted	#41 Only
	SE-*^	Schlage E keyway cylinder, 0 bitted	#41 Only

^ Options not available with Freewheeling Trim

* Options not available with 50 function lockout cylinder

Note: When using Interchangeable Core Cylinders, the ANSI/BHMA Cylinder Grade determines the grade of the lock, even if the lock is certified ANSI/BHMA Grade 1 with a standard cylinder

Cylinder Length	SARGENT Cylinder Sizes	Keso Cylinder Sizes	Keso R/C Cylinder Sizes
1-1/8"	#41	#71	N/A
1-1/4"	#42	#72	#172
1-3/8"	#43	#73	#173
1-1/2"	#44	#74	#174
1-3/4"	#46	#76	#176
2"	#48	N/A	N/A
2-1/4"	#50	N/A	N/A
2-1/2"	#52	N/A	N/A
2-3/4"	#54	N/A	N/A
3"	#56	N/A	N/A

How To Order, Finishes, Packaging & Security Screw Chart

8200 Series Mortise Locks

SARGENT
ASSA ABLOY

How to Order 8200, R8200 & 7800 Series Mortise Locks

10-	82	71	12VDC	TR	MJ	15	RHR
Options*	**Series**	**Function**	**Voltage**	**Roses/ Escutcheons**	**Trim**	**Finish**	**Hand**
For all available options see Pages 45-48	82 R82 78 Mortise Lock	Pages 19-28 for Details	12VDC 24VDC Must be specified for Functions 70, 71, 72 & 73	Pages 10-13 (With R8200, specify "R" for roseless design)	Levers — Pages 8-12 FW Trim — Page 14, Push/Pull Trim — Page 18, Knobs — Page 15	Page 49	RHR RH LHR LH

* Multiple options can be selected

Finishes

Standard Levers & Knobs	BHW Trim	BHL Trim	BHD Trim	Studio Collection Lever Trim	8200 Coastal Series™ Trim and 8200 Freewheeling Trim	7800 Push/Pull Trim	Description	ANSI/ BHMA
03				03	03	03	Polished brass, clear coated	605
04				04	04	04	Satin brass, clear coated	606
09				09	09	09	Polished bronze, clear coated	611
10				10	10	10	Satin bronze, clear coated	612
10B				10B	10B	10B	Oxidized bronze, oil rubbed	613
10BE				10BE	10BE		Dark oxidized satin bronze, equivalent	(613E)
10BL				10BL	10BL		Oxidized satin, bronze, clear coated	614
14				14	14		Polished nickel, clear coated	618
15 *				15 *	15 *		Satin nickel, clear coated	619
20D				20D	20D		Statuary dark bronze, clear coated	624
26				26	26		Polished chrome	625
26D *				26D *	26D *		Satin chrome	626
32	32	32	32	32		32	Polished stainless steel	629
32D *	32D *	32D *	32D *	32D *		32D *	Satin stainless steel	630
BSP				BSP	BSP		Black suede powder coat	—
WSP				WSP	WSP		White suede powder coat	—

* MicroShield® — optional designate SG- option (Available on 15, 26D, and 32D Finishes only)
Split Finishes — specify outside finish first, then inside finish example: US26D (outside) / US04 (inside)

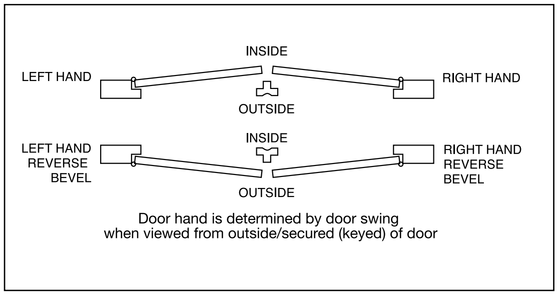
6 Lobe & Spanner Bit packs

Part Number	Descriptions
82-3855	6 Lobe Bit Pack 6 bits
82-3856	(sizes- T8, T9, T10, T15, T20, T25, T27) 9/32" Driver Spanner Bit Pack 5 bits (sizes- 6, 8, 10, 12, 14) 1/4" Driver

Packaging

8205 x LNL	approx. 6.1 lbs. (2.7kg)/box	6 boxes/case
8205 x WTL	approx. 7.2 lbs. (3.1kg)/box	6 boxes/case

Door Handing



* Multiple options available
Wrought Box Strike optional — must order with lockset as WBS- option

Electrified Mortise Locks with High Security Monitoring:

The high security monitoring options of our industry-leading Integrated Wiegand locks are now available in a mortise lock that can be used as a stand-alone electrified lock or in conjunction with a wall reader. Every NAC lock is shipped with door position and request to exit monitoring installed. NAC locks ordered with deadbolt are supplied with deadbolt monitoring.

Functions:

If the lock needs to have:	Then select:		
	Series	Type	Function
No key override and no deadbolt			
Fail Safe	NAC-	82	274
Fail Secure	NAC-	82	275
No key override with deadbolt			
Fail Safe	NAC-	82	284
Fail Secure	NAC-	82	285
Key override and no deadbolt			
Fail Safe	NAC-	82	270
Fail Secure	NAC-	82	271
Key override and deadbolt			
Fail Safe	NAC-	82	280
Fail Secure	NAC-	82	281

Description of Functions:

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override: Key outside retracts latch and/or deadbolt when trim is locked electronically
- Deadbolt projected and retracted by thumbturn or key

High Security Monitoring Options

- **Internal End-of-Line Monitoring**

  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate prefix to your order string:

  – **R01:** Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision

  – **R03:** Software House compatible 1KΩ/2KΩ resistance supervision

  – **R04:** AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR-)**

  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.

  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas

  – To order, add the PHR- prefix to your order string

Note: PHR is only available on Fail Secure functions

- **Integrated Door Position Switch (IDP-)**

  – The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.

  – This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.

  – To order, add the IDP- prefix to your order string

Ordering Examples:

R01-IDP-NAC-82271-12V-LN-MD-26D-LHR

R04-PHR-IDP-NAC-82281-24V-LN-MD-26D-RHR

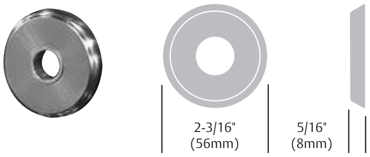
Coastal Series™ & Standard Trim

8200/R8200/7800 Mortise Locks

Coastal Series Roses & Escutcheons

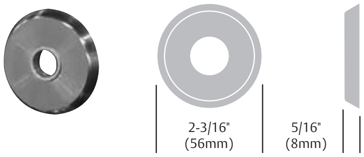
TR Traditional Rose

- Dual radii edge


2-3/16"
(56mm)
5/16"
(8mm)

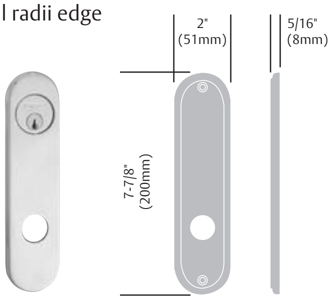
CR Contemporary Rose

- Beveled edge


2-3/16"
(56mm)
5/16"
(8mm)

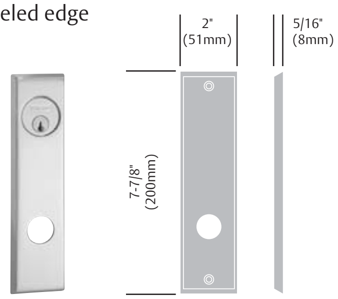
TE Traditional Escutcheon

- Dual radii edge


2"
(51mm)
5/16"
(8mm)
7-7/8"
(200mm)

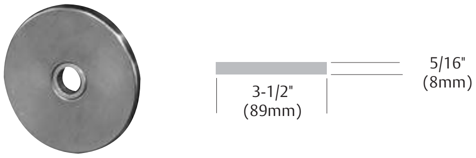
CE Contemporary Escutcheon

- Beveled edge

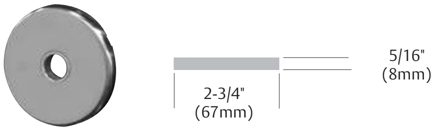

2"
(51mm)
5/16"
(8mm)
7-7/8"
(200mm)

Standard Roses

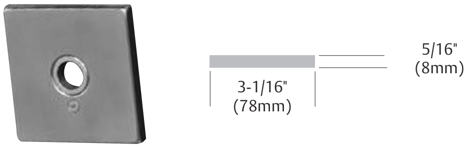
L Rose


3-1/2"
(89mm)
5/16"
(8mm)

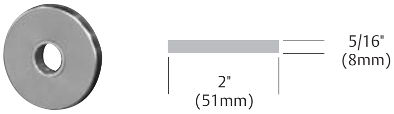
O Rose


2-3/4"
(67mm)
5/16"
(8mm)

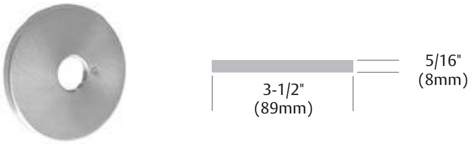
E Rose


3-1/16"
(78mm)
5/16"
(8mm)

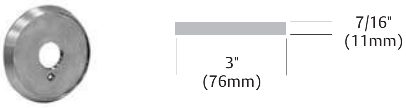
LN Rose


2"
(51mm)
5/16"
(8mm)

SL Rose


3-1/2"
(89mm)
5/16"
(8mm)

BH Rose


3"
(76mm)
7/16"
(11mm)

Coastal Series™ & Standard Levers

8200 Mortise Locks

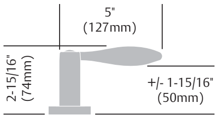
Coastal Series

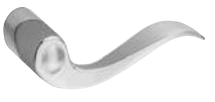
(8200 & R8200 Series)

Features

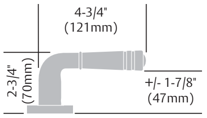
- All levers meet ADA compliance for national codes
- Not available with CO and TO roses
- Levers are solid cast brass
- Finishes available – 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
- All lever height (+/- 1/16") measurements represent total distance from door face

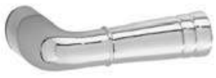
G - Gulfport™
(Handed)


5"
(127mm)
2-15/16"
(74mm)
+/- 1-15/16"
(50mm)

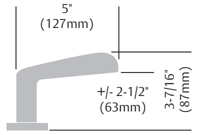


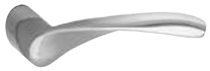
R - Rockport™


4-3/4"
(121mm)
2-3/4"
(70mm)
+/- 1-7/8"
(47mm)

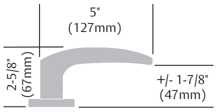


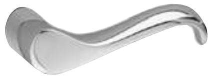
S - Sanibel™
(Handed)


5"
(127mm)
+/- 2-1/2"
(63mm)
3-7/16"
(87mm)



Y - Yarmouth™
(Handed)


5"
(127mm)
2-5/8"
(67mm)
+/- 1-7/8"
(47mm)



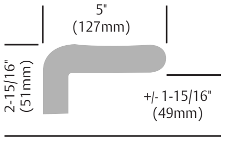
Standard Levers

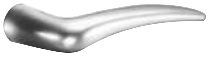
(8200 Series Only)

Features

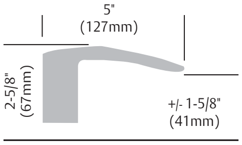
- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

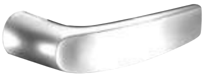
A
(Handed)


5"
(127mm)
2-15/16"
(51mm)
+/- 1-15/16"
(49mm)

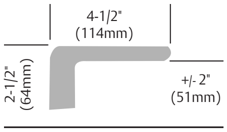


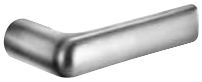
B


5"
(127mm)
2-5/8"
(67mm)
+/- 1-5/8"
(41mm)

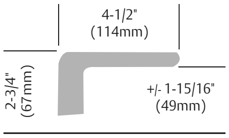


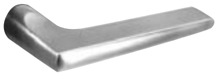
E


4-1/2"
(114mm)
2-1/2"
(64mm)
+/- 2"
(51mm)

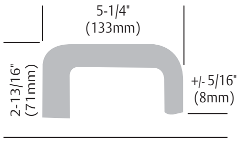


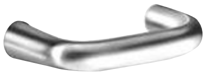
F


4-1/2"
(114mm)
2-3/4"
(67mm)
+/- 1-15/16"
(49mm)

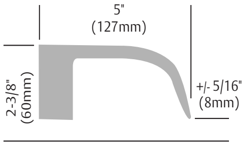


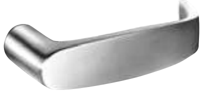
J


5-1/4"
(133mm)
2-13/16"
(71mm)
+/- 5/16"
(8mm)

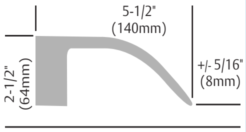


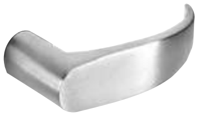
L


5"
(127mm)
2-3/8"
(60mm)
+/- 5/16"
(8mm)

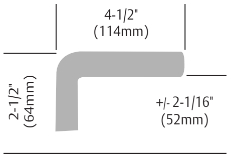


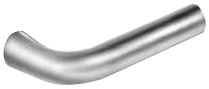
P


5-1/2"
(140mm)
2-1/2"
(64mm)
+/- 5/16"
(8mm)



W


4-1/2"
(114mm)
2-1/2"
(64mm)
+/- 2-1/16"
(52mm)



ACCENTRA
ASSA ABLOY

Experience a safer
and more open world

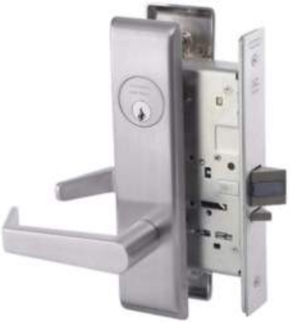
8800 SERIES

ANSI/BHMA Grade 1 Certified Mortise Locks

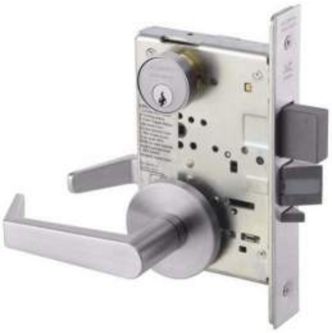
FEATURES

Features

- UL Cycle above and beyond test completed at 12.3 Million Cycles. Verification ID: V572228
- Heavy-duty trim for resistance against damage and vandalism
- Functions available for any industrial or commercial application
- Field adjustable lever handing and latchbolt
- ANSI/BHMA Certified Grade 1 for long-life and durability
- UL/cUL listed for 3 hour fire rated doors
- 10 year mechanical warranty
- Available in a variety of attractive trims and finishes
- Status indicator options available to provide peace of mind on the locked/unlocked status of a door



Escutcheon Trim



Rose/Sectional Trim

Applications

- Offices
- Shopping centers
- Industrial buildings
- Commercial facilities

Specifications

Armor Front	8" x 1-1/4"
Backset	2-3/4" only
Case	Wrought steel, zinc dichromated
Deadbolt	1" throw, cast stainless steel.
Door Thickness	1-3/4" standard, available for up to 3-1/4" thick doors
Handing	Field reversible
Hubs	3/8" solid steel, fine-blanked and heat treated for additional strength
Latchbolt	3/4" throw, stainless steel one-piece anti-friction
Strike	1-1/4" (model 2815) curved lip strike standard, see page 40 for additional options.

SL8800

For more heavy-duty applications, the SL8800 Series Mortise Lock offers an extra measure of security. The SL8800 is ideal for situations where heavy abuse or vandalism might be a concern. The SL8800 is available in most mortise lock functions; please see pages 12-17 for more information. 630 finish only.

Available with the following lever designs: AR, AU, CR, JN, MO, PB, VI

Features

- Heavy duty escutcheon trim that is flat against the door to resist damage and vandalism
- Lever attached directly to escutcheon for added security
- Thrubolted security head screws offer added protection

Applications

- Schools
- Minimum security prisons
- High crime areas

FINISHES

The 8800 Series Mortise Lock is available in the finishes below. All knobs, lever handles, roses, escutcheons, cylinder collars and other exposed parts are fabricated of either brass, stainless steel or zinc and will be compatible with the finish ordered. When ordering, specify the finish required by the ANSI/BHMA Code Number only. When locksets are ordered with different trim finishes on each side, specify the outside finish first, i.e. AUR8817-2 x 612 x 625. The front and strike finish will match the inside finish unless specified otherwise.

ANSI/BHMA Code Finish Description				
605 Bright Brass, Clear Coated	606 Satin Brass, Clear Coated	611 Bright Bronze, Clear Coated	612 Satin Bronze, Clear Coated	613E Dark Oxidized Satin Bronze - equivalent
618 Bright Nickel Plated, Clear Coated	619* Satin Nickel Plated, Clear Coated	625 Bright Chrome Plated	626* Satin Chrome Plated	629 Bright Stainless Steel
630* Satin Stainless Steel	693 Black Painted	BSP Black Suede Powder Coat	WSP White Suede Powder Coat	

Notes:

HA lever available in only the following finishes: 605, 619, 625, 626.

SL escutcheon trim available in 630 finish only.

Reflections® decorative levers are NOT available in the following finish: 693.

*Finish available with MicroShield® antimicrobial coating, additional finishes by special application. Consult factory for availability.

MicroShield coating may vary finish color from architectural standards. MicroShield is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY ACCENTRA™ makes no representations or warranties, express or implied, as to the efficacy of MicroShield.

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TECHNICAL SPECIFICATIONS AND LISTINGS

ADA

The 8800 meets accessibility guidelines of the Americans with Disabilities Act and the requirements of the Uniform Federal Accessibility standards and ANSI 117.1, all requiring ease of accessibility.

ANSI/BHMA

Certified ANSI/BHMA A156.13, Series 1000, Operational Grade 1 (8800FL with CN escutcheon & SL8800 meet Security Grade 1).

Bevel Front

ACCENTRA 8800 series fronts are free-floating to adjust from flat to the standard bevel of 1/8" in 2".

Door Thickness

8800 Series Mortise Locks are supplied as standard for 1-3/4" thick doors. For other than standard, specify the door thickness on the order: (i.e. 2", 2-1/4", etc.)

Installation

ACCENTRA 8800 Series sectional and escutcheon trims feature thrubolted installation. Outside trim is held in place by threaded posts. For sectional trims, the posts fit through holes in the lock case and are secured by thrubolts from the inside trim. For escutcheon trims, the posts fit through the door and are secured by thrubolts from the inside trim. The posts fit through holes in the door, above and below the lock case, and are secured by thrubolts from the inside trim.

ISO 9001

Designed and manufactured under a certified ISO 9001 quality system.

Lead Shielding

All ACCENTRA 8800 Series Mortise Locks are available with a lead shield for installation in lead-lined doors. To order, suffix the lockset model number with “lead-lined.”

Knurled Designs

Where required by the local authority, trim can be knurled to be identifiable to the touch for blind persons. CO knob design and all lever designs except HA and Reflections® trim may be ordered knurled.

Only the outside knob or lever will be knurled or abrasive coated unless specified otherwise. To order a complete lockset knurled or abrasive coated, suffix the lockset model number with one of the following codes, i.e AUCN x 8807FL x 626 x KNB.

Option	Description
KNB	Knurled both sides
KNI	Knurled inside only
KNO	Knurled outside only
ABCB	Abrasive coating both sides
ABCI	Abrasive coating inside only
ABCO	Abrasive coating outside only

Underwriters Laboratories (UL/cUL)

ACCENTRA 8800 Series Mortise Locks have been listed by Underwriters Laboratories Inc. for use on fire doors having a rating up to and including 3 hours and for use on 20 minute wood doors. This pertains to single swing doors not exceeding 4 feet in width and 8 feet in height and in doors mounted in pairs not exceeding 8 feet in either direction (unless otherwise noted in the individual listings.)

In general, single-point mortise locks or latches with 3/4" minimum latch throw are intended for the active leaf of doors mounted in pairs, with the inactive leaf provided with top and bottom flush or surface bolts of the manual, automatic, or self-latching type. The door Classification Marking specifies the minimum latch throw required for the individual door.

ACCENTRA 8800 Series Mortise Locks with 3/4" throw latchbolts may also be used on single swing doors rated 1-1/2 hours or less, up to 4 feet in width and 9 feet in height. This is in addition to the rating mentioned above. All 8800 Series Mortise Locks with Lever Handle Trim are UL listed for fire door applications. Underwriters Laboratories does not list locks with rabbeted fronts, locks with deadbolt only, or locks with hold-back feature on the latchbolt.

Note: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and ASSA ABLOY ACCENTRA™ makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Warranty

ACCENTRA 8800 Series mechanical mortise locks are protected by a ten (10) year warranty and 8800 Series electrified mortise locks have a two (2) year warranty.

Windstorm

Hurricane

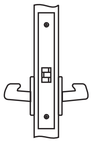
Certified (refer to local codes).

MECHANICAL FUNCTIONS

8801 Passage Or Closet Latch (F01)

- For doors that do not require locking
- Latchbolt retracted by knob/lever either side at all times

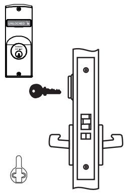
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8801K	8801FL	3/4"
SL	—	SL8801FL	3/4"
Reflections®	—	8801RL	3/4"



8808 Classroom Lock (F05)

- For classroom, office, or utility room doors
- Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by key
- Inside knob/lever always active
- Latchbolt can be retracted by key when outside knob/lever is locked
- Operating inside knob/lever retracts latchbolt, but outside knob/lever remains locked
- Deadlocking latchbolt

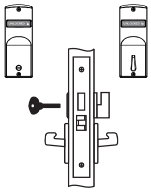
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8808K	8808FL	3/4"
SL	—	SL8808FL	3/4"
Reflections®	—	8808RL	3/4"



8802 Privacy, Bedroom Or Bath Lock (F19)

- Latchbolt retracted by knob/lever either side
- Deadbolt operated by thumbturn inside
- When the deadbolt is projected, outside knob/lever is automatically locked
- Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously, automatically unlocking outside knob/lever.
- In emergency, deadbolt may be unlocked from outside by E203 emergency key, supplied

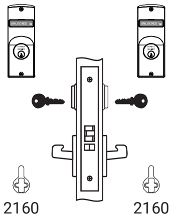
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8802K	8802FL	3/4"	1"
SL	—	SL8802FL	3/4"	1"
Reflections®	—	8802RL	3/4"	1"



8808-2 Intruder Latchbolt Lock (F32)

- Latchbolt retracted by knob/lever either side unless outside knob/lever is locked by key
- Either cylinder locks or unlocks outside knob/lever
- Latchbolt can be retracted by key when outside knob/lever is locked
- Operating inside knob/lever retracts latchbolt, but outside knob/lever remains locked
- Deadlocking latchbolt

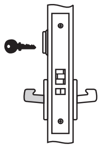
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8808-2K	8808-2FL	3/4"
SL	—	SL8808-2FL	3/4"
Reflections®	—	8808-2RL	3/4"



8805 Storeroom Or Closet Lock (F07)

- For use on storeroom, utility, exit doors
- Latchbolt retracted by key outside, knob/lever inside
- Outside knob/lever rigid at all times
- Inside knob/lever always active
- Deadlocking latchbolt

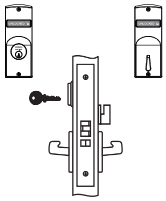
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8805K	8805FL	3/4"
SL	—	SL8805FL	3/4"
Reflections®	—	8805RL	3/4"



8809 Classroom Or Office Lock

- Latchbolt retracted by knob/lever either side unless outside knob/lever is locked by key outside or thumbturn inside
- Latchbolt retracted by thumbturn inside or key outside
- Inside knob/lever always active
- Deadlocking latchbolt

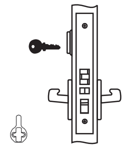
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8809K	8809FL	3/4"
SL	—	SL8809FL	3/4"
Reflections®	—	8809RL	3/4"



8807 Entry Lock (F04)

- For office doors where locking is required
- Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by stopwork activator
- When outside knob/lever is locked, latchbolt is operated by key outside and knob/lever inside
- Deadlocking latchbolt

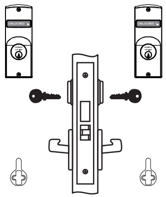
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8807K	8807FL	3/4"
SL	—	SL8807FL	3/4"
Reflections®	—	8807RL	3/4"



8811-2 Intruder Deadbolt Lock (F33)

- Latchbolt retracted by knob/lever either side unless outside knob/lever is locked by key
- Deadbolt operated by key either side
- When deadbolt is projected, outside knob/lever is automatically locked
- Key retraction of deadbolt unlocks outside knob/lever
- Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously, automatically unlocking outside knob/lever.

Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8811-2K	8811-2FL	3/4"	1"
SL	—	SL8811-2FL	3/4"	1"
Reflections®	—	8811-2RL	3/4"	1"



Indicator options available for both sectional and escutcheon trim.

Cylinder cam required.

Indicates rigid knob/lever.

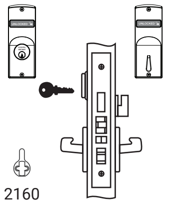
MECHANICAL FUNCTIONS

8847 Apartment Corridor Door Lock (F20)

- Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by stopwork activator
- Deadbolt operated by key outside, thumbturn inside
- When outside knob/lever is locked, latchbolt and deadbolt are operated by key outside
- When deadbolt is projected, outside knob/lever is automatically locked
- Anti-panic operation. Operating inside knob/lever automatically retracts latchbolt and deadbolt with outside knob/lever remaining locked.
- Deadlocking latchbolt

Note: Indicator shows deadbolt position only

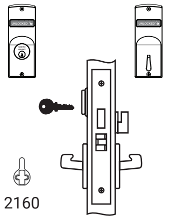
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8847K	8847FL	3/4"	1"
SL	—	SL8847FL	3/4"	1"
Reflections®	—	8847RL	3/4"	1"



8860 Room Door Lock (F21)

- Latchbolt retracted by knob/lever either side
- Deadbolt operated by key outside, thumbturn inside

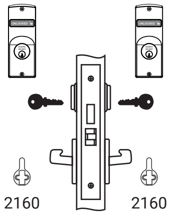
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8860K	8860FL	3/4"	1"
SL	—	SL8860FL	3/4"	1"
Reflections®	—	8860RL	3/4"	1"



8860-2 Store Door Lock (F14)

- Latchbolt retracted by knob/lever either side
- Deadbolt operated by key both sides

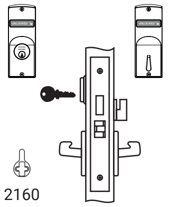
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8860-2K	8860-2FL	3/4"	1"
SL	—	SL8860-2FL	3/4"	1"
Reflections®	—	8860-2RL	3/4"	1"



8861 Dormitory Or Storeroom Lock

- Latchbolt retracted by knob/lever either side
- Deadbolt operated by key outside, thumbturn inside
- When deadbolt is projected, outside knob/lever is automatically locked
- When deadbolt is retracted, outside knob/lever is automatically unlocked

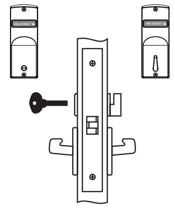
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8861K	8861FL	3/4"	1"
SL	—	SL8861FL	3/4"	1"
Reflections®	—	8861RL	3/4"	1"



8862 Privacy, Bedroom Or Bath Lock (F22)

- Latchbolt retracted by knob/lever either side except when outside knob/lever is locked by thumbturn
- Operating inside knob/lever retracts the latchbolt, automatically unlocking outside knob/lever
- Outside emergency release unlocks outside knob/lever. E203 emergency key supplied
- Automatically unlocks when door latches

Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8862K	8862FL	3/4"
SL	—	SL8862FL	3/4"
Reflections®	—	8862RL	3/4"

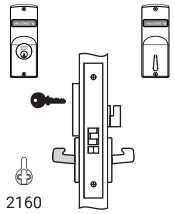


8864 Bathroom Lock With Indicator

- Latchbolt retracted by key outside, knob/lever inside
- Indicator operated by thumbturn inside, key outside
- When indicator shows red with a locked padlock icon, key outside will operate indicator and retract latchbolt
- Outside knob/lever rigid at all times
- Inside knob/lever always active
- Deadlocking latchbolt
- Function only available with CO, R6, R7, R8 roses or CN escutcheon

Note: CIND indicator provided standard. V series indicators must be specified by option code.

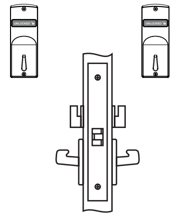
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8864K	8864FL	3/4"
Reflections®	—	8864RL	3/4"



8865 Bathroom Lock

- Latchbolt retracted by knob/lever either side except when outside knob/lever is locked by thumbturn either side
- Outside thumbturn unlocks outside knob/lever
- Automatically unlocks when door latches
- Operating inside knob/lever retracts the latchbolt, automatically unlocking outside knob/lever

Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8865K	8865FL	3/4"
SL	—	SL8865FL	3/4"
Reflections®	—	8865RL	3/4"

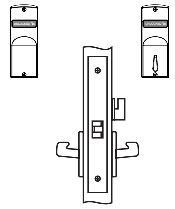


8866 Passage Lock With Indicator

- For doors with indicator that do not require locking
- Latchbolt retracted by knob/lever either side at all times
- Throwing thumbturn on inside changes state of status indicator
- Rotating either knob/lever returns indicator to previous state

Note: Only available with "V" series indicators. Indicator option code must be specified with this function

Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8866K	8866FL	3/4"
Reflections®	—	8866RL	3/4"



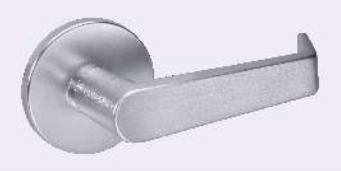
Indicator options available for both sectional and escutcheon trim.

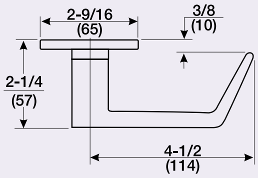
Cylinder cam required.

Indicates rigid knob/lever.

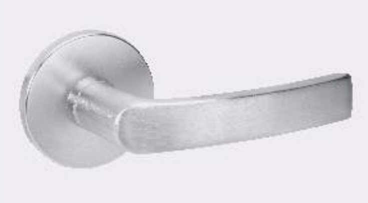
TRIM DESIGNS

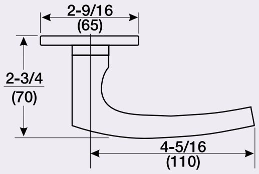
AUGUSTA AUR
AU Lever Handle: Cast



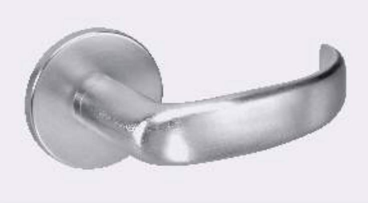

2-9/16
(65)
3/8
(10)
2-1/4
(57)
4-1/2
(114)

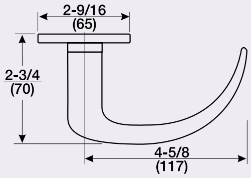
MONROE MOR
MO Lever Handle: Cast



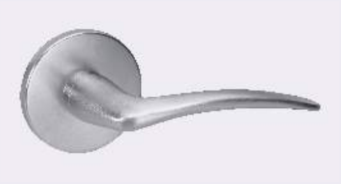

2-9/16
(65)
2-3/4
(70)
4-5/16
(110)

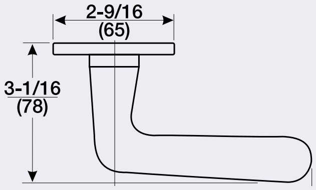
PACIFIC BEACH PBR
PB Lever Handle: Cast



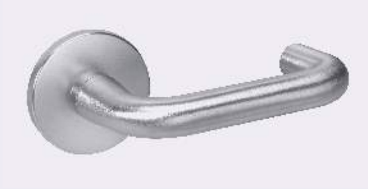

2-9/16
(65)
2-3/4
(70)
4-5/8
(117)

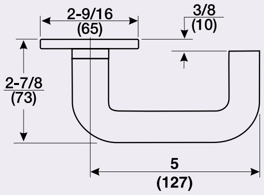
ARCADIA ARR
AR Lever Handle: Cast



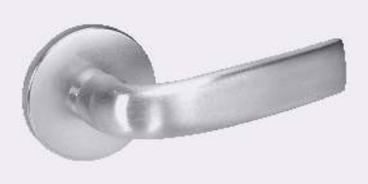

2-9/16
(65)
3-1/16
(78)

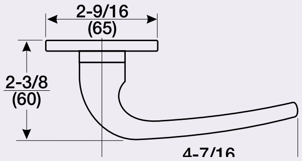
CARMEL CRR
CR Lever Handle: Cast



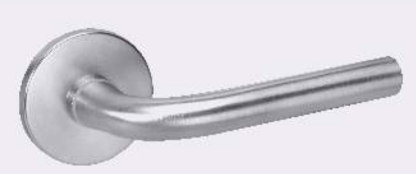

2-9/16
(65)
3/8
(10)
2-7/8
(73)
5
(127)

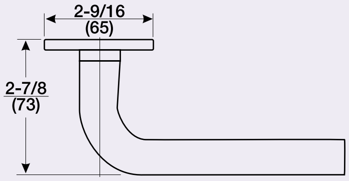
JEFFERSON JNR
JN Lever Handle: Cast



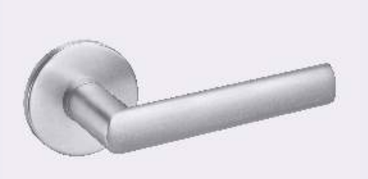

2-9/16
(65)
2-3/8
(60)
4-7/16

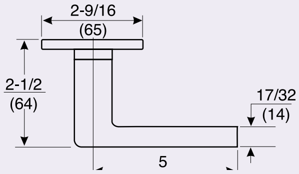
PINEHURST PNR
PN Lever Handle: Cast




2-9/16
(65)
2-7/8
(73)

VIRGINIA VIR
VI Lever Handle: Cast




2-9/16
(65)
2-1/2
(64)
17/32
(14)
5

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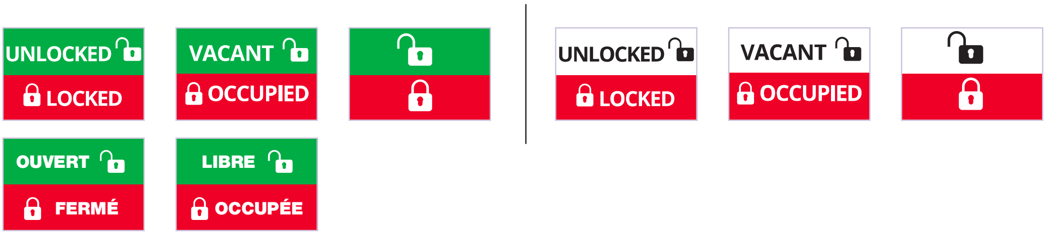
Indicator Option Codes

8800 Series indicator option codes are designed to convey wording, color and side of door desired in one simple code. To order, specify option code for complete locksets and/or retrofit/upgrade trim kits.



Single Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V10	Unlocked/Locked	No Indicator	Green/Red
V10F	Ouvert/Fermé	No Indicator	Green/Red
V20	Vacant/Occupied	No Indicator	Green/Red
V20F	Libre/Occupée	No Indicator	Green/Red
V30	Icons Only	No Indicator	Green/Red
V40	Unlocked/Locked	No Indicator	White/Red
V50	Vacant/Occupied	No Indicator	White/Red
V60	Icons Only	No Indicator	White/Red
V01	No Indicator	Unlocked/Locked	Green/Red
V01F	No Indicator	Ouvert/Fermé	Green/Red
V03	No Indicator	Icons Only	Green/Red
V04	No Indicator	Unlocked/Locked	White/Red
V06	No Indicator	Icons Only	White/Red

Double Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V11	Unlocked/Locked	Unlocked/Locked	Green/Red
V11F	Ouvert/Fermé	Ouvert/Fermé	Green/Red
V21	Vacant/Occupied	Unlocked/Locked	Green/Red
V21F	Libre/Occupée	Ouvert/Fermé	Green/Red
V33	Icons Only	Icons Only	Green/Red
V44	Unlocked/Locked	Unlocked/Locked	White/Red
V54	Vacant/Occupied	Unlocked/Locked	White/Red
V66	Icons Only	Icons Only	White/Red

Engraving			
Option Code	**Outside**	**Inside**	**Wording**
EMA	Engraving	No Engraving	"Lock" with arrow
EMB	No Engraving	Engraving	"Lock" with arrow
EMC	Engraving	Engraving	"Lock" with arrow

Product Catalog

SARGENT
ASSA ABLOY

80 Series
Exit Device

ASSA ABLOY, the global leader
in door opening solutions

Windstorm Certifications

80 Series

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 80 Series lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication 320 (2014)	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only.
FEMA Publication 361 (2015)	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only.
ICC 500 (2014)	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Cylinder Information for Exit Devices

Cylinder Chart: Exit Device Series x Function		ET Trim (700 Series Auxiliary Control)		PTB, PSB, STS, MAL, MSL, FLL, FSL, FLW, FSW	
	Door Thickness	**1-3/4"** (44mm)	**2-1/4"** (57mm)	**1-3/4"** (44mm)	**2-1/4"** (57mm)
Narrow Stile Mortise Exit Device	8304	46	48	41	43
	8313/8343	41	41	Not Available	
	8344	46	48	Not Available	
	8363	Not Available		41	43
	8375/8376	46	48	Not Available	
Narrow Stile CVR Exit Device	All 8400	41	41	Not Available	
Narrow Stile Rim Exit	8504	34	34	Not Available	
	8513/8543	41	41	Not Available	
Concealed Vertical Rod Exit Devices	All LP/LR/LS8600	41	Not Available		
	All SP/PP/PR8600	41	Not Available		
	All AD, MD & WD8600	41	41	Not Available	
Surface Vertical Rod Exit Devices	8706/8713/8743/8746	41	41	Not Available	
	8762/8763	Not Available		34	34
	All SP/PP/PR8700	41	N/A	Not Available	
Rim Exit Devices	8804	34	34	34	34
	8806/8813/8843/8846	41	41	Not Available	
	8816	34/*44	34/*44	Not Available	
	8844	34	34	Not Available	
	8863	Not Available		34	34
	8866	Not Available		34/*44	34/*44
	8875/8876/8877	34	34	Not Available	
Mortise Lock Exit Devices	8904	46	48	41	43
	8913/8943	41	41	Not Available	
	8916	*34/46	*34/48	Not Available	
	8944	46	48	Not Available	
	8963	Not Available		41	43
	8966	Not Available		*41/34	*43/34
	8975/8976	46	48	Not Available	

* Inside Cylinders

Chart shows cylinder type and size for conventional SARGENT cylinders.

Note: Cylinder sizes & types are limited, as noted: SC- & SE- cylinders are available in size 41
60-, 63- & 64- cylinders are available in sizes 42, 43, 44 & 46
70-, 11-70-, 72-, 11-72-, 73- & 11-73 cylinders are available in sizes 43 & 46

Note: The 8888's Lever & Rose Trim cylinder standard is the standard SARGENT 10 Line cylinder (13-3266)

Note: 41 Cylinder is 1-1/8" in length; For each additional digit, the cylinder is a 1/8" longer. Example: 42 is 1-1/4"; 43 is 1-3/8" and 46 is 1-3/4"

Note: SARGENT supplies standard blocking rings. Specify if using competitor cylinders

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"	96"	96"
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 :98-2559
96"
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	96"	96"	96"	96"	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.	Fire rated for 8'0” x 8'0” paired openings	See Notes Below	12-HD980 is for pair of doors over 8'0” to 10'0” for use with 2-8800 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 ottom Ret Pack - 98-2600 op 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

Mullion Accessories and Stabilizers

80 Series

Mullion Accessories

RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion

651 Mullion Stabilizer Kit

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

980C1 Cylinder Mullion Kit

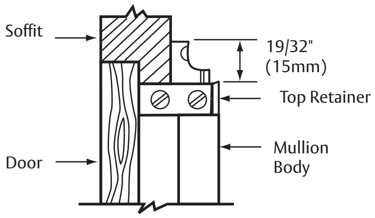
- Lockable mullions only
- Aluminum and steel
- Includes cylinder and collar
- Available in 26D & 10B finish

980C2 Cylinder Mullion Kit

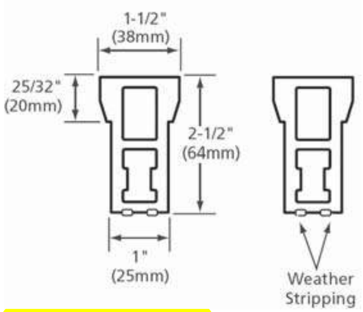
- Lockable mullions
- Electrified only
- Includes cylinder and collar
- Available in 26D finish only

507 Narrow Transom Bars Adapter

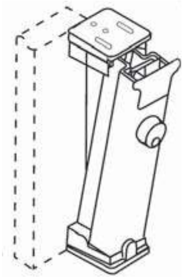
- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide
- Order as a: 507 for 980 mullion or 507A for 980A mullion



650A Mullion



Lockable Mullion

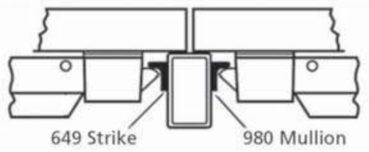


Mullion Weights & Packaging

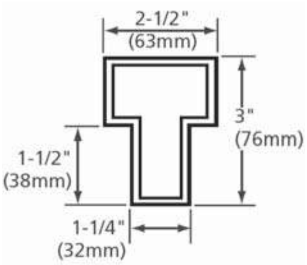
Product	Avg Wt	Case
Exit Device with Trim	15 lbs	1 ea
980 Mullion	18 lbs	1 ea
12-980 Mullion	40 lbs	1 ea
650A Mullion	18 lbs	1 ea

980S Mullion Application

- All steel mullions are 2" x 3"



980 Mullion & L980 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.

Mechanical Options and Descriptions

80 Series

Mechanical Options:

Categories	How to Specify	Detailed Description
Fire Rated	12-	UL Fire Label Exit hardware (not available with 16- & HK-)
SVR Bolt	14-	Sliding bolt bottom case for 8700
Cylinder Dogging	16-	Cylinder lockdown with # 41 Cylinder & # 97 Ring (not available with 12-, 57, 59-, AL- or BT- Option)
	LD-	Less dogging for non fire rated devices
Less Touch Pad	19-	Pushbar without Lexan touchpad (not available TL-)
8900/8300 Strike	23-	4-7/8" (124mm) ANSI flat lip strike (for 8900 & 8300 Series Mortise Lock Exit Devices)
Thick Doors	31-	Doors over 1-3/4" and/or Panels (Specify door thickness, panel thickness & location as required) Not available for HC8700, FM8700, PP, PR & SP8700, PP, PR & SP8600, LP, LR & LP8700 Extended lip strike supplied for 8300 & 8900 Series
Security Fasteners	36-	Six lobe security head screws
	37-	Spanner head screws
Flush End cap	43-	Flush End Cap (Not available with LP, LR & LS Devices)
Indicator	49-	Indicator (Available on 8816 and 8866 functions only)
Electrical Options	53-	Latchbolt monitoring switch (not available with 59-, GL-, HC-, WS- or on FM8700, PP/PR/SP8600 & LP/LR/LS8600 Exit Devices)
	54-	Monitors ET Lever movement with Internal micro switch in ET Control
	55-	Request to Exit - Signal Switch in Rail (not available with 59- & FM8700)
	56-	Remote Latch Retraction (not available 57-, 58-, 59-, AL- or BT- Option)
	56-HK-	Remote Latch Retraction with manual Hex Key dogging (not available 12-, 57-, 58-, 59-, AL- or BT- Option)
	57-	Delayed Egress (Electromagnetic Lock required & purchased separately) (not available 16-, 53-, 56-, 56-HK, 58-, 59-, AL, Bc-59 - or BT, GL, TL Prefixes) (NB, 54- are available on request)
	58-	Electric Rail Dogging (Not available 56- & 59-)
	59-	Electroguard® Self Contained Delayed Egress Device (not available with 16-, 53-, 55-, 56-, 57-, 58-, AL-, BT-, GL-, HC- & WS Option Prefixes, PP/PR/SP8600, LP/LR/LS8600 Exit Devices) (NB, 54- are available upon request)
	AL-	Alarmed Exit (Not available 16-, 56-, 57-, 59-, BT-, GL-, HC- & WS-)
	BC-59-	Electroguard® Boca Code (Door Status Switch required) (not available with 16-, 55-, 56-, 57-, 58-, AL-, BT-, GL-, HC- & WS- Options and on NB8700, PP/PR/SP8600 & LP/LR/LS8600 Exit Devices)
	TL-	SARGuide Electro-Luminescent Touchpad (not available 19-, 85-, 87- & PL-)
Tactile Warning Options	76-	Tactile Warning - Milled Outside Lever (not available with Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive strip on Push Rail (Not available with PL- & TL-)
	86-	Tactile Warning - Abrasive coating on Outside Lever
	87-	Tactile Warning - Abrasive strip on Push Rail & Abrasive coating on Outside Lever (not available with PL- & TL-)
Finish Protection	CPC-	Clear Powder Coat (Available for 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Top Rod Only	NB-	Less Bottom Rod & Bolt (for SVR & CVR Devices)
Guarded Latch	GL-	Guarded Latch for Rim Exit Devices (not available 53-, 56-, 59-, AL-, HC- & WS-)
SARGuide	PL-	SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (not available 85, 87 & TL-)
Through Bolts	TB-	Through Bolts for 8300, 8500, 8600, 8700, 8800 & 8900 Devices
Rail Force	5CH-	5lb. Pressure Release (8800 only)

Cylinder Options and Descriptions

80 Series

Cylinder Options:

Conventional Cylinder	-	SARGENT Conventional Cylinders Supplied Standard (Unless Otherwise Specified)
Degree Key System	DG1-	SARGENT Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-65	Degree Level 3 Unassembled/Uncombined Core
Signature Key System	10-	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature- LFIC	10-63-	SARGENT Signature Large Format Interchangeable Core Cylinder (Removable)
XC- Key System	11-	XC Key System (Not available with other Key systems unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	11-60-	Device to accept XC- Permanent Large Format Interchangeable Core, Disposable plastic Core- provided
	11-63-	Device provided with XC- Large Format Interchangeable Core Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Device provided with Keyed construction core to accept XC- Permanent Large Format Interchangeable Core (ordered separately)
XC- Small Format Interchangeable Core	11-70-7P-	Device to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Device to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Device provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Device provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Old Style Removable Core	51-	Removable Core Cylinder (Old Style) provided (existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
Large Format Interchangeable Core (Removable Core)	60-	Device to accept SARGENT Permanent Large Format Interchangeable Core, Disposable plastic Core provided (Permanent Cores ordered separately)
	63-	Device provided with Large Format Interchangeable Core Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Device provided with Keyed construction core to accept Permanent Large Format Interchangeable Core (ordered separately)
Small Format Interchangeable Core	70-	Device to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Device to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Device provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Device provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	65-73-7P-	Device provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	73-7P-	Device provided with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	81-	Device provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Device provided with SARGENT Keso Security Cylinder
	F1-82-	Device provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Device provided with SARGENT Keso Security Removable Core cylinder
	F1-83-	Device provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Device provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Added Security	BR-	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	LC-	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" Cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted (not available with: 8904, 8916, 8944, 8975, 8976, 8866, 8304, 8344, 8375 & 8376)
	SE-	Schlage E keyway cylinder, 0 bitted (not available with: 8904, 8916, 8944, 8975, 8976, 8866, 8304, 8344, 8375 & 8376)
Lever to Accept Schlage	SF-	L Lever to accept MEDECO KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (Supplied Less Cylinder, but with tailpiece needed) (Available for 88-KLL & 88-CLL)

Note: For V-10 Cylinders and information, contact ASSA

8800 Rim Exit Device

80 Series

8800 Series

Rim Exit Device

8800 Features

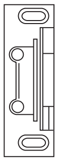
- Designed for standard width stile applications on wood and metal doors
- Also available as an HC8800 or WS8800 for hurricane-resistant applications, see Hurricane-Resistant section of this catalog
- Single point rim latching device
- Single door & double door applications with mullions
- Quiet operation and solid security
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed

Specifications	8800 Series Rim Exit Device
Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2 1/4" thick, specify thickness and order as 31-
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	649 Standard Black Nylon Coated
Optional Strikes	642, 644 and 613
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide Photoluminescent Coated TL- SARGuide Illuminated Touchpad
	49- Indicator 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Latch Bolt	Stainless steel, 3/4" (19mm) throw
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54 mm)
Fire Exit Hardware	See Chart – Page 6

49- Lock/Unlock Indicator Option

- Displays whether the door has been secured by the inside cylinder.
- Red icon indicates locked
- White icon indicates unlocked
- Dogging overrides 49- functionality (must order less dogging)
- Available on 8816 and 8866 functions only

649 Strike



- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated

688 Trim Retrofit Kit

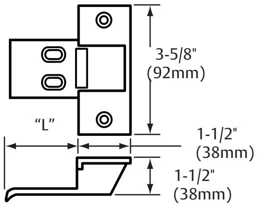
- 688 Trim Retrofit kit allows an 8800* Series rim exit with an ET to replace Von Duprin's 98/99 Series exit with trim with minimal door prep.

* Except for 16 function

- Order as: 688 Kit

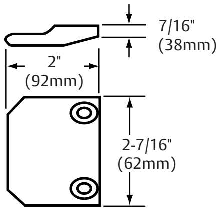
Alternate Strikes For 8800 Rim Devices

642 Strike



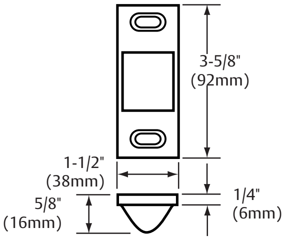
- Mortised. Dimension "L" equals door thickness plus 1/2" (13mm). Black nylon coated on lip only

644 Strike



- Surface applied. For use on pairs of doors without mullion. Ductile Iron. Black nylon coated

613 Strike



- Half mortised. Black nylon coated

8800 Functions and Trims

80 Series

SARGENT
ASSA ABLOY

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
F1-83-56	88	13	F	ETL	RHR	26D	32D	36"

700 Series ET Trim

Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

8800 Series: 704, 706-8, 710, 713-8, 715-8, 716, 740, 743-8, 744, 746-8, 773-8, 774-8, 775-8 & 776-8

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73, 74, 75 and 76. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 1 8800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	8804 x ET_
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8806 x ET_
10	01	No outside operation (No Cylinder)	8810
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	8810 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8813 x ET_
15	14	Passage Only (No cylinder)	8815 x ET_
16	10	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 Cylinder & I/S #44 Cylinder Supplied	8816 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	8840 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8843 x ET_
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	8844 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8846 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)	8873 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)	8874 x ET_
75		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #34 Cylinder Supplied	8875 x ET_
76		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied	8876 x ET_

Note: 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

Options

8800
Mechanical Options: 12- 16- 19- 31- 36- 37- 43- 53- 54- 55- 56- 56-HK- 57- 58- 59- 5CH- BC-59- 76- 85- 86- 87- AL- BT- CPC- GL- LD- PL- ** SG- TB- TL- **Cylinder Options:** 10- 10-21- 10-63- 11- 11-21- 11-60- 11-63- 11-64- 11-70-7P- 11-72-7P- 11-73-7P- 11-65-73-7P- 21- 22- 51- 52- 60- 63- 64- 70- 72- 73- 65-73- 65-73-7P- 73-7P- 81- 82- F1-82- 83- F1-83- 84- BR- LC- *SC- *SE-

* Options are not available with 8816
** Only available with 15, 26D and 32D finishes

Pull & Thumbpiece Trim Section

Trim Designations

- Use three letter designations (Ex "PTB") when ordering the Exit Device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)							Series 8800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STS	862 Pull	8804 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	862 Pull	8810 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	N/A	8828 x Trim Designation
63	05	Key Outside Unlocks/ Locks Thumbpiece #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	N/A	8863 x Trim Designation
66	07	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 & I/S #44	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	N/A	8866 x Trim Designation

* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls except for cylinder hole located 3/8" (9mm) lower.
Note: Thumbpiece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately.
Note: FLW & FSW trims are not available in 32(629) or 32D(630).
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D.

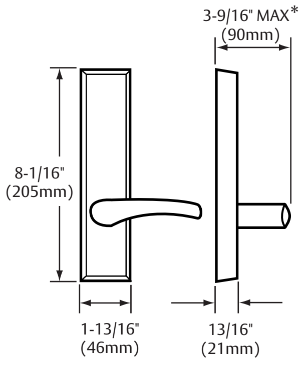
Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	614
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

ET Trim, Levers and Pulls

80 Series

ET Lever Controls

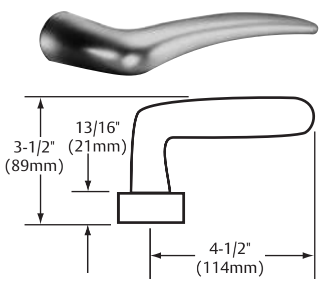

3-9/16" MAX*
(90mm)
8-1/16"
(205mm)
1-13/16"
(46mm)
13/16"
(21mm)

*Projection varies by lever design. 2-1/2" (63mm) projection with L Lever

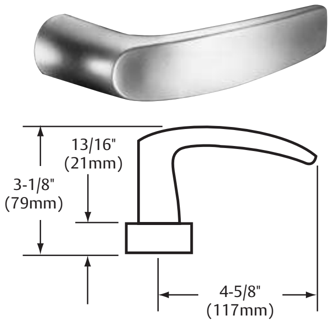
Note: ET suffixes required when ordering ET trim without an exit device, see page 74 for complete details

A Lever

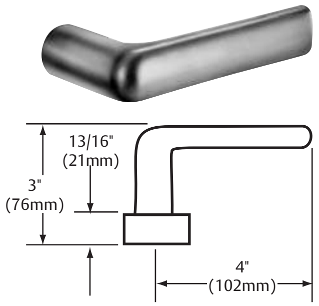
- Handed


3-1/2"
(89mm)
13/16"
(21mm)
4-1/2"
(114mm)

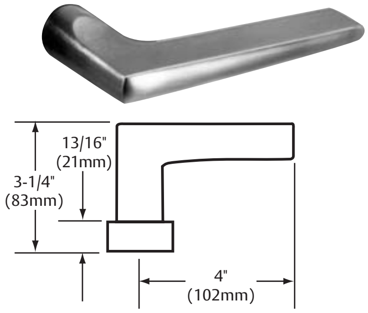
B Lever


3-1/8"
(79mm)
13/16"
(21mm)
4-5/8"
(117mm)

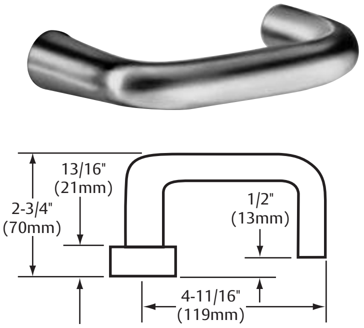
E Lever


3"
(76mm)
13/16"
(21mm)
4"
(102mm)

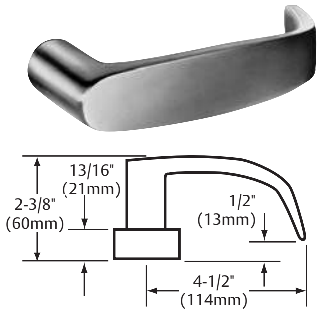
F Lever


3-1/4"
(83mm)
13/16"
(21mm)
4"
(102mm)

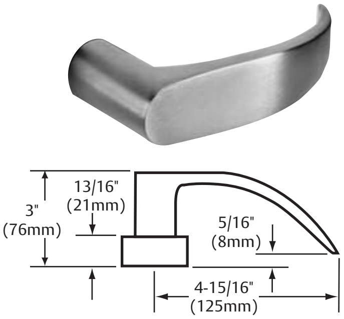
J Lever*


2-3/4"
(70mm)
13/16"
(21mm)
1/2"
(13mm)
4-11/16"
(119mm)

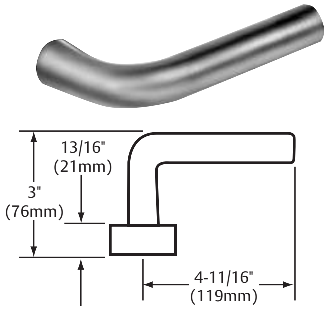
L Lever*


2-3/8"
(60mm)
13/16"
(21mm)
1/2"
(13mm)
4-1/2"
(114mm)

P Lever*

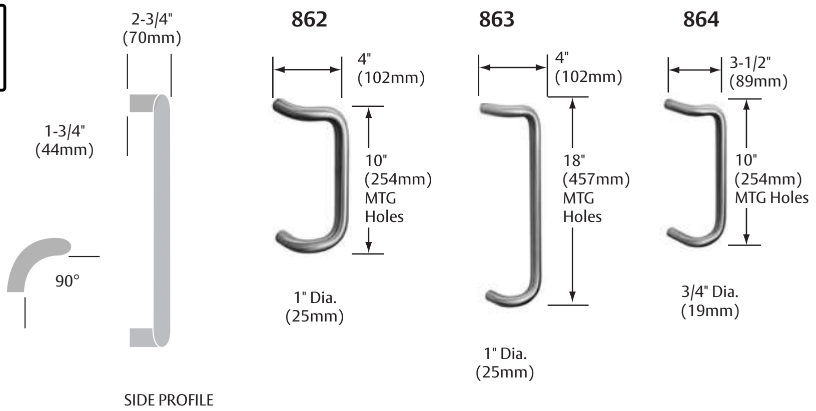

3"
(76mm)
13/16"
(21mm)
5/16"
(8mm)
4-15/16"
(125mm)

W Lever


3"
(76mm)
13/16"
(21mm)
4-11/16"
(119mm)

* Lever returns within 1/2" (13mm) of door face

Pulls


2-3/4"
(70mm)
1-3/4"
(44mm)
90°
SIDE PROFILE
862
4"
(102mm)
10"
(254mm)
MTG
Holes
1" Dia.
(25mm)
863
4"
(102mm)
18"
(457mm)
MTG
Holes
1" Dia.
(25mm)
864
3-1/2"
(89mm)
10"
(254mm)
MTG Holes
3/4" Dia.
(19mm)

Alarm Option (AL-)
Request-to-Exit Option (55-)

80 Series

SARGENT

ASSA ABLOY

AL- Alarm Option

SARGENT's AL-80 Series Exit Devices are designed for areas requiring a stand-alone alarm on outward swinging doors. This device has an integrated alarm in the push rail to discourage the unauthorized use of emergency exit doors. The alarm inside the rail sounds immediately upon exit. The AL-80 Series is ideal for rear exterior doors, doors leading to a rooftop, or anywhere security is a concern.

Features

- Microprocessor based alarm board
- When armed, alarm sounds immediately upon rail depression
- All exit devices have tamper resistant latching (Guarded Latch)
- Battery powered – 9VDC
- 103 Db @ 8 ft pulsating horn
- Flashing red LED provides visible violation indication, reset by key only
- Low battery alert
- Field selectable continuous alarm option-3267 Power Supply and 546 Harness recommended
- Automatic re-arming option
- Supplied with a #41 (1-1/8") with standard off set cam
- UL Listed and cUL Listed
- UL Listed to Canadian Safety Standards
- Rail Monitoring & Guarded Latch are standard internal features
- Available with all 80 Devices, except LP, LR, LS8600, FM8700,WS & HC8800 Devices
- Minimum Door Widths:
  - Wide Stile Door : E-n/a; F-36" only; J-42"-39"; G-48"-43"
  - Narrow Stile Door: E-32" only; f-36"-34"; J-42"-37"; G-48"-43"
- See page 75 for compatible options
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements (if hard wired)
- Order as an AL- option (e.g., AL-8916F x ETJ x 32D x 36" Door)

545 Alarm Retrofit Kits

Alarm retrofit kits available for the following 80 Series devices - 8300, MD8600, WD8600, GL-8800, and 8900 only. (GL-8800: Rim device with guarded latch)

Kit #	Device Style	Pivot to Pivot	Rail Size
545-1	Wide	11-1/4"	F
545-2	Narrow	11-1/4"	F
		8-1/2"	E
545-3	Wide	20-1/2"	G
545-4	Narrow	20-1/2"	G
545-6	Narrow	14"	J
545-7	Wide	14"	J

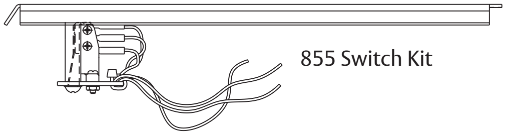
546 Wiring Harness

Harness allows for remote control of the alarmed exit device

- Remote Alarm Reset–reset from remote location
- External Inhibit – shunts alarm from remote location
- Remote Power – allows unit to be wired to a 9VDC power supply (3267)
- Remote Monitor – allows unit to be wired to remote console
- Order as:
  - 546 - Wiring Harness (For AL- option) - Mfg. prior to 7/1/04
  - 546-F - Wiring Harness for F-Size Rails - Mfg. after 7/1/04
  - 546-G - Wiring Harness for G-Size Rails - Mfg. after 7/1/04
  - 546-J - Wiring Harness for J-Size Rails - Mfg. after 7/1/04

55- Request-to-Exit Option

SARGENT Request-to-Exit Signal Switch Exit Devices provides push rail monitoring for a variety of applications; such as to sound an alarm, initialize a delayed egress system, or de-energize an electromagnetic lock.



Switch type SPDT form "C" contacts

- 30 VDC@2 Amp. maximum rating
- All wires run through rail
- Available with all 80 & P800 Devices, except for FM8700
- See page 75 for compatible options
- Minimum Door Widths:
  - Wide Stile Door 36"
  - Narrow Stile Door 32"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 55- option (e.g., 55-8913F x ETMA x 32D x 36")

855 Kit #	Device Stile	Rail Size Pivot to Pivot	Rail Size
855-1	Wide	11-1/4"	F
855-2	Narrow	11-1/4"	F
		8-1/2"	E
855-3	Wide	20-1/2"	G
	*8895	8-1/2"	E
855-4	Narrow	20-1/2"	G
	*8895	11-1/4"	F
855-5	Wide	8-1/2"	E
855-6	Narrow	14"	J
855-7	Wide	14"	J
855-8	*8895	14"	J
	*8895	20-1/2"	G

*8895 is an active dummy rail (See page 72)

Note: The 855 Kits can not be used with a pre-existing 56- Rail

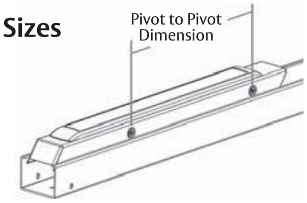
Note: If rail size is not standard, the 855 insert will have to be cut during installation

Device Stile

Narrow Stile

Wide Stile

Rail Sizes



Rail Size is determined by the Pivot to Pivot Dimensions

Pivot to Pivot Dimension

8-1/2" = "E" Rail
11-1/4" = "F" Rail
14" = "J" Rail
20-1/2" = "G" Rail

ACCENTRA
ASSA ABLOY

Experience a safer
and more open world

7000 SERIES

Architectural Exit Devices

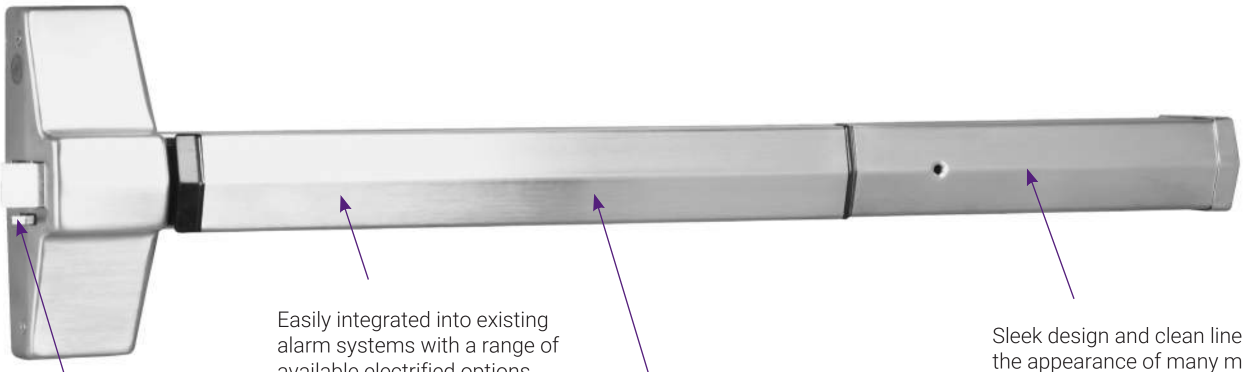
BENEFITS & FEATURES

Benefits

- **Innovative:** Featuring security options including SquareBolt® latchbolt and delayed egress function
- **Durable:** Heavy-duty steel components are ANSI/BHMA Grade 1 certified for the ultimate in strength and security
- **Flexibility:** Various options available to customize this exit device to suit any opening
- **Clean, modern look:** Sleek design with a variety of attractive finish options to suit any decor

Features

- High quality steel chassis and heavy-duty components
- Full range of mechanical and electromechanical options to suit any life safety application and pair with existing security systems
- ANSI/BHMA Grade 1 certified
- UL/cUL listed for panic and fire doors
- Windstorm certified (refer to local codes) Hurricane
- Five year mechanical warranty, two year warranty on electrical options and components



Easily integrated into existing alarm systems with a range of available electrified options

Sleek design and clean lines suit the appearance of many modern commercial buildings

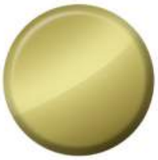
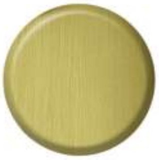
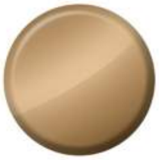
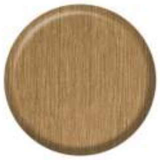
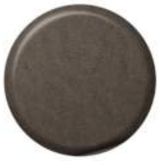
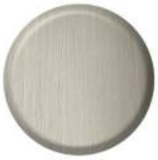
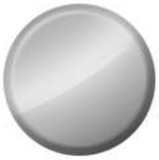
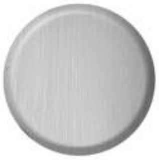
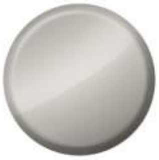
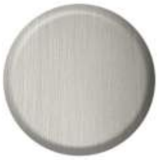
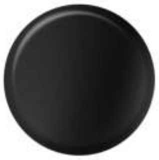
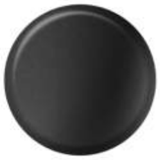
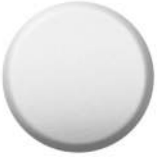
Constructed with high quality steel and heavy-duty components for durability

Available with various configurations including rim, SquareBolt®, surface/concealed vertical rod, to suit any opening

Available with Motorized Electric Latch Retraction!

The Motorized Electric Latch Retraction (MELR) feature provides remote-controlled latch retraction that delivers quiet, smooth operation for convenient, hassle-free egress. Easily installed in new applications and available as retrofit rail kit assemblies for field updates, the MELR features maintenance-free design with few moving parts using 86% less power consumption during retraction than solenoid devices. Plus, MELR is powered by a standard power supply, simplifying installation and increasing system design flexibility. See page 32 for more details.

FINISHES

ANSI/BHMA Code Finish Description				
605 **Bright Brass, Clear Coated**	**606** **Satin Brass, Clear Coated**	**611** **Bright Bronze, Clear Coated**	**612** **Satin Bronze, Clear Coated**	**613E** **Dark Oxidized Satin Bronze - equivalent**
				
619* **Satin Nickel Plated, Clear Coated**	**625** **Bright Chrome Plated (540F trim only)**	**626*** **Satin Chrome Plated (Trim only)**	**629** **Bright Stainless Steel**	**630*** **Satin Stainless Steel**
				
693 **Black Painted**	**BSP** **Black Suede Powder Coat**	**WSP** **White Suede Powder Coat**		
				

613, 626 and 722 finishes available as Special Product Requests only. Please contact Customer Service for more information.

*Finish available with MicroShield® antimicrobial coating, additional finishes by special application. Consult factory for availability.

MicroShield coating may vary finish color from architectural standards. MicroShield is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY ACCENTRA™ makes no representations or warranties, express or implied, as to the efficacy of MicroShield.

Finishes For Touchbar Covers Only

ANSI/BHMA Code	Finish Description
BN	Semi-gloss black fused polymer
LUM	Lumi-lite Photoluminescence
SS	Stainless Steel

Lumi-Lite

Lumi-lite uses photoluminescence technology to provide visibility of exit doors in low-light, no light or smoky conditions. Lumi-lite can be ordered with your 7000 Series Exit Device or easily retrofitted to existing devices. See Lumi-lite Touchpad Cover on page 57 for more information.

HOW TO ORDER

From this outline select the Model Number for the ACCENTRA 7000 Exit Device Series you require.

7	X	X	X	Mechanical/Electrical	Size	Design	Trim	Finish	Other Info.
	Second Digit: “1” - Standard device, 4-1/2" (114mm) or wider door stile. “2” - Narrow stile door or narrow escutcheon trim (500F, 510F Series)	**Third Digit:** “0” - Rim Device, Pullman Latch "1" - SVR Device up to 8' “2” - CVR Device, Metal Doors up to 8' “3” - Mortise Device “5” - SquareBolt®, Rim Security “6” - CVR Device over 8', wood door or LBR “7” - SVR Device over 8' or LBR	**Fourth Digit:** “0” - Standard “5” - Cylinder Dogging (Not with suffix “F”)	**Mechanical Feature** UL “F” - Fire Exit Device “M” - Narrow escutcheon trim in 4-1/2" (114mm) or wider door stile “LBR”- Less Bottom Rod[2] “L5” - Mortise Device, Entry by Key with/without Rigid Lever[1] “L8” - Mortise Device, Entry by Lever “T5” - Mortise Device with Thumbpiece Trim “T8” - Mortise Device, Active Thumbpiece Trim “2” - Double Cylinder Device[3] “WS” - Windstorm Certified Products[5, 6, 7] 5CH - 5LB pressure release[8] **Electrical Feature** “-A” - Alarm Kit “-B” - Bar Monitor or Signaling “-D” - Delayed Egress “-O” - Outside Trim Monitor or Signaling “-MELR” - Motorized Electric Latch Retraction “-S” - Latchbolt Status Monitor or Signaling “-Safe” - Mortise Device Trim Control (lever only) “-Secure” - Mortise Device Trim Control (lever only)		**Trim Design** (Lever only)	**Trim Model Number**	**See page 5**	**Other Information: Door Hand** - RHR or LHR **Door Thickness** - Over 1-3/4" (45mm) **Fastener Options** - TORX® Security Screws SNB (wood, composite, or unreinforced metal doors) **Specialty Cylinders & Components** **Lumi-lite:** LUM

Ordering Examples

Exit Device Only
7150D-36 x 619 x RHR x SNB

Exit Device with Trim and Cylinder
7170F90-9-48 x AU626F x 605 x LHR x 1109 GA 0-bit

Trim Only
MO656F x 630 x RHR x LC

Double Cylinder Exit Device with Trim
7150F-2-36 x AU626F x 630

It is recommended that exit devices and trim for the same opening be ordered together. Standard product is for 1-3/4" (44mm) reinforced metal doors. Accessories detached from the device and trim should be specified separately. Materials by others are required to be fit for the purpose as detailed in this catalog and the product installation literature.

Notes:

1. Required for electrical feature, Suffix “-SAFE” or “-SECURE”.
2. LBR available on 7160(F90) and 7170(F90) devices only.
3. For double cylinder devices, suffix “-2” after fourth digit.
4. If “-24” device is to be used with a DOW greater than 24", the device will ship without UL label. The 12" touchpad will not cover 50% of the device touchbar length.
5. “WS” applies only to 7150(F), 7250M(F) and 7170(F) devices.
6. Maximum opening size 8'0" x 8'0".
7. Contact Ceco, Curries® or Fleming for detailed frame/door requirements and limitations.
8. 5CH applies only to 7100 devices.

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7100(F) RIM

The 7100(F) is a rim exit device to be used with single doors or pairs of doors constructed of metal, wood or composite materials. Designed for application in high-use areas, the 7100(F) comes in a variety of finishes and can be combined with a variety of trims to match any desired style.

Features

- Designed for wide stile doors
- 3/4" throw deadlocking stainless steel pullman latchbolt
- Electroplated ferrous components provide corrosion resistance
- Available in double cylinder function (handing must be specified)

Applications

- Non-handed for easy installation
- Single swing doors
- Pairs of doors with removable mullions
- Metal, wood or composite door materials

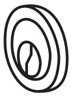
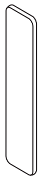
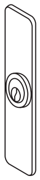
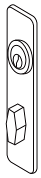
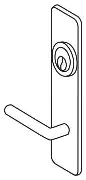
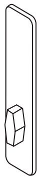
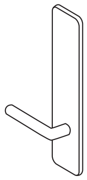
Specifications

Door Opening Width	-24 for 24" (60cm) doors -36 for 30" - 36" (76cm - 91cm) doors -48 for 36" - 48" (91cm - 122cm) doors Optional sizes can be special ordered. Consult Technical Product Support.
Door Thickness	1-3/4" (44mm) standard. Optional door thicknesses available to 4-1/2"; specify door thickness when ordering.
Minimum Stile Width	4-1/2" (114mm)
Projection	3-1/4" (83mm) active, 2-3/4" (70mm) dogged
Latchbolt	3/4" (19mm) deadlocking stainless steel pullman-type
Strike	757F, 793 optional (double door application, panic only)
Fasteners	Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.
Trims	620F series escutcheon trim, 630F series pull/thumbpiece trim, 680F series offset pull trim, 540F series rose trim, 121NL cylinder only. See pages 22-24.
ANSI/BHMA	Certified A156.3 Type 1, Grade 1
UL/cUL	FVSR/FVSR - Panic hardware; GXHX/GXHX7 - Fire exit hardware (F) (4' x 8' single, 8' x 8' pairs, 3 hr.)
Dogging	Hex key dogging supplied standard on panic devices
Options	Cylinder dogging, shim kit #723, sex nuts and bolts, MicroShield®, Lumi-lite
Warranty	5-year limited

UL
BHMA CERTIFIED

500F Series Escutcheon Trim

- Certified ANSI/BHMA A156.3, Grade 1.
- Trim thrubolts to exit device for strength.
- 1-3/4" (44mm) door standard. For doors through 2-1/4" (57mm) or shim-mounted devices, specify on order.
- Dimensions:1-5/8" x 9-1/2" x 1/4" (41mm x 241mm x 6mm)
- Cylinders not included. See page 49 for cylinder options.
- Available with AR, AU, CR, JN, MO, PB, PN, VI and HA lever designs. See page 22.
  - Finishes: 605, 606, 611, 612, 613E, 619, 626, 629, 630, 693, BSP, WSP
- Available with Reflections® lever designs. See page 23.
  - Finishes: 605, 606, 611, 612, 613E, 619, 626, 629, 630, BSP, WSP
- Trim ordering example: AU506F x 626 x RHR.
- 1-year limited warranty.

					♿ 		♿ 	
Applications	**Nightlatch Access by Key**	**Exit Only Blank Plate**	**Nightlatch Access by Key**	**Classroom/ Storeroom Cylinder Controls Thumbturn**	**Classroom/ Storeroom Cylinder Controls Lever**	**Passage**	**Passage or Dummy**	**Dummy Trim**
7200, 7210, 7220, 7250, 7200M(F), 7210M(F), 7220M(F), 7250M(F)	121NL[2]	500F	501F[2]	503F[1]	506F[1]	507F	508F[1]	509F
ANSI	03	01	03	11/12	08/09	16	14/02	02

[1] 09, 12 and Free-Wheeling 02 achieved with simple trim modification at installation.

[2] Not recommended for use with vertical rod devices.

For 629 & 630 finishes the standard levers are plated to simulate stainless steel.

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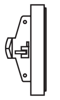
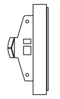
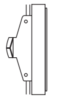
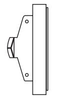
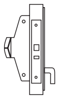
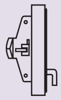
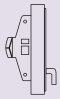
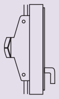
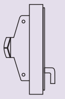
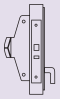
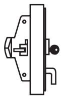
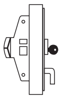
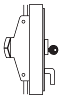
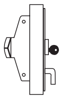
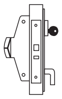
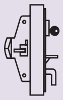
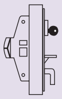
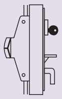
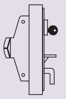
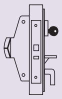
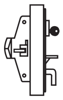
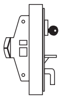
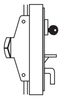
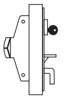
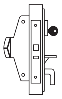
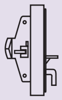
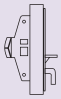
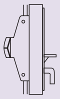
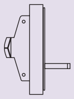
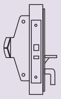
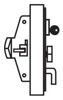
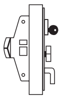
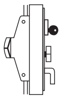
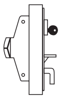
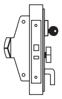
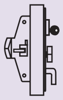
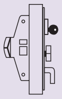
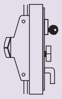
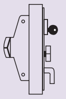
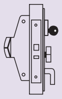
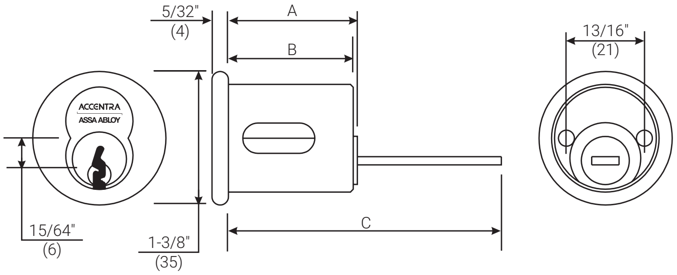
FUNCTIONS

SquareBolt® 7150(F) 7250 7250M(F) Inside Outside	Rim 7100(F) 7200 7200M(F) Inside Outside	Surface Vertical Rod 7110(F) 7170(F) 7210 7210M(F) Inside Outside	Concealed Vertical Rod 7120(F) 7160(F) 7220 7220M(F) Inside Outside	Mortise 7130(F) Inside Outside	Type	ANSI Function No.	Function Description
					Exit Only/ Blank Plate	01 –	Exit only, no trim. Exit only, blank plate.
					Dummy/ Pull Plate	02	Entrance by trim when actuating bar is locked down.
					Nightlatch	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked.
					Classroom	05	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
					Storeroom	06	Entrance by thumbpiece only when released by key. Key removable only when locked.
					Passage	15	Entrance by trim when latch is released by thumbpiece. Thumbpiece is always active, no cylinder.
					Classroom	11	Entrance by control turn piece. Key locks or unlocks control.
					Storeroom	12	Entrance by control turn piece only when released by turning key. Key removable only when locked.

Large Format Interchangeable Core (LFIC) For Current Products

Includes standard, hotel, security and high security large format interchangeable core for rim lock and exit device trim applications. When ordering interchangeable core cylinders or cores only, control keys are not furnished. If control keys are required, they must be specified.

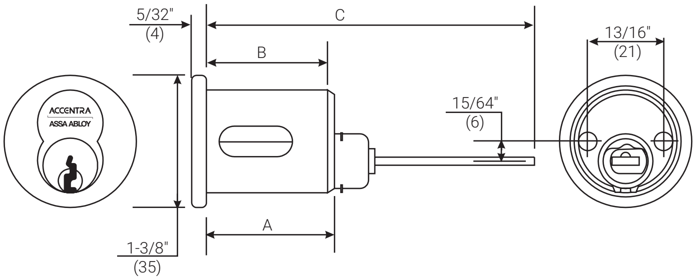
Model Numbers			Description	No. of Active Pins	Dim A	Dim B	Dim C Tailpiece Model Numbers	
Complete Cylinder	Core Only	Housing Only					#1145	#1147
1193	1210	1212	Standard cylinder	6	1-7/16" (37)	1-3/8" (27)	2-15/16" (75)	3-3/4" (95)
1193	1220	1212B	Standard cylinder	7	1-5/8" (41)	1-9/16" (40)	3-1/8" (79)	4-5/16" (110)
5193	5210	1212	Security cylinder	6	1-7/16" (37)	1-3/8" (35)	2-15/16" (75)	3-3/4" (95)
5193	5220	1212B	Security cylinder	7	1-5/8" (41)	1-9/16" (40)	3-1/8" (79)	4-5/16" (110)



Large Format Interchangeable Core (LFIC) With Lazy Cam Operation

Model Numbers			Description	No. of Active Pins	Dim A	Dim B	Dim C
Complete Cylinder	Core Only	Housing Only					
1193L	1210	*	Standard cylinder with lazy cam operation	6	1-3/4" (44)	1-3/8" (35)	3-1/2" (89)

*Uses 1212 housing with lazy cam. Specify by part number 10-1193-0044 x Finish



Cylinder Finish	Shell/Plug Finish
605, 606, 611, 612, 613E	606
618, 619, 625, 626, 629, 630, WSP	626
BSP	BSP

LFIC Rim housings supplied in finish specified

Dimensions are shown in inches (millimeters)

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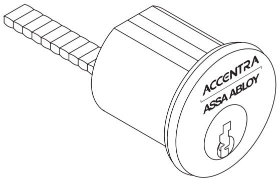
CYLINDERS

Rim

The following chart details rim cylinders for use with 480F, 500F, 510F, 620F, 680F, 630F, 121NL trims and outside of SDA16 door alarm:

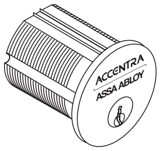


				Collar Requirements*				
Model #	**Description**	**Pins**	**Length**	**480F/500F/ 510F**	**620F/680F**	**630F**	**121NL**	**SDA16 Outside**
1109	Standard Fixed Core	6	1-1/4"	599.419	No Collar	No Collar	1765.250	1765.250
1109	Standard Fixed Core	7	1-7/16"			KP4		
1709	CMK	6	1-15/16"	599.544	1765.250	1765.250		
1709	CMK	7	1-5/8"	599.700		1765.406		
1193	LFIC Complete	6	1-7/16"	599.544		1765.250		
1193	LFIC Complete	7	1-5/8"	599.700	1765.344	1765.406		
5109	Security Fixed Core	6	1-9/16"	599.419	No Collar	1765.250		
5109	Security Fixed Core	7	1-7/16"					
U5109	High Security Fixed Core	6	1"	NA		No Collar	No Collar	No Collar
U5109	High Security Fixed Core	7	1"					
5193	Security LFIC Complete	6	1-7/16"	599.544	1765.250	1765.250	1765.250	1765.250
5193	Security LFIC Complete	7	1-5/8"	599.700	1765.344	1765.406		
K300	ACCENTRA KeyMark® Standard Fixed Core	6	1-1/8"	599.544	KP4	1765.250		
K300	ACCENTRA KeyMark Standard Fixed Core	7						
K840/ K880	ACCENTRA KeyMark LFIC Complete / Housing Only	6	1-7/16"	599.700	1765.406	1765.500		
K840/ K880	ACCENTRA KeyMark LFIC Complete / Housing Only	7	1-5/8"	NA	1765.563	1765.719		
K640/ K680	ACCENTRA KeyMark SFIC Complete / Housing Only	6	1-1/4"	599.544	KP4	1765.250		
K640/ K680	ACCENTRA KeyMark SFIC Complete / Housing Only	6 or 7	1-3/8"	599.700	1765.187	1765.406		
A640/ K680	Best® Keyway SFIC Complete / Housing Only	6	1-1/4"	599.544	KP4	1765.250		
A640/ K680	Best® Keyway SFIC Complete / Housing Only	6 or 7	1-3/8"	599.700	1765.187	1765.406		
2109	Schlage® "C" Keyway Fixed Core Available 0-bitted or keyed random.	6	1-1/8"	599.419	No Collar	No Collar		

*Based on 1-3/4" door thickness. Collar length required must be specified for cylinders and/or housings ordered separately.
LFIC = Large Format Interchangeable Core
SFIC = Small Format Interchangeable Core
NA = Application Not Available

Mortise

The following chart details mortise cylinders for use with 350F, 650F, 660F, 670F trims, cylinder dogging, delayed egress, and 7116 alarms:

				**350F/650F**		**660F/670F**		**Cylinder Dogging/ DEED/7116**	
Model #	**Description**	**Pins**	**Length**	**Cam**	**Collar**	**Cam**	**Collar**	**Cam**	**Collar**
2153	Standard Fixed Core	6	1-1/8	2160	NA	2160	NA	2160	No Collar
		6	1-3/4		No Collar		KP4		NA
		7	1-1/4		NA		NA		1765.156
		7	1-3/4		No Collar		KP4		NA
2196	LFIC Complete	6	1-1/2		NA		NA		1765.406
		6	1-3/4		No Collar		KP4		NA
2197	LFIC Complete	7	1-11/16		KP4		1765.250		1765.594
5153	Security Fixed Core	6	1-1/8		NA		NA		No Collar
		7	1-1/4		NA		NA		1765.156
U5153	High Security Fixed Core	6	1-1/8		NA		NA		NA
		7	1-1/4						
5196	Security LFIC Complete	6	1-1/2		NA		NA		1765.406
		6	1-3/4		No Collar		KP4		NA
5197	Security LFIC Complete	7	1-11/16		KP4		1765.250		1765.594
K100	ACCENTRA KeyMark® Standard Fixed Core	6 or 7	1-1/8	KC1	NA	KC1	NA	KC1	No Collar
			1-3/4		No Collar		KP4		NA
			1-3/4	Riveted	KP4	Riveted	1765.375	NA	
K820/K860	ACCENTRA KeyMark LFIC Complete/Housing Only	6 or 7	1-3/4	KC1	No Collar	KC1	KP4	KC1	1765.406
		7	1-11/16		KP4		1765.375		1765.594
K620/K660	ACCENTRA KeyMark SFIC Complete/Housing Only	6	1-1/4		NA		NA		1765.156
		6 or 7	1-3/8				No Collar		1765.281
		6	1-3/4	Riveted	KP4	Riveted	1765.375	NA	NA
A620/K660	Best Keyway SFIC Complete/ Housing Only	6	1-1/4	KC1	NA	KC1	NA	KC1	1765.156
		6 or 7	1-3/8				No Collar		1765.281
		6	1-3/4	Riveted	KP4	Riveted	1765.375	NA	NA
2553	Schlage® "C" Keyway Fixed Core. Available 0-bitted or keyed random.	6	1-1/8	2160	NA	2160	NA	2160	No Collar

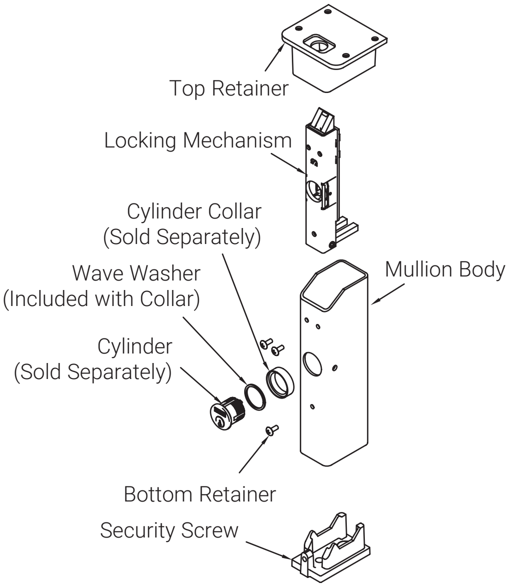
NA = Application Not Available

KRM200(F) Keyed Removable Mullion (KRM)

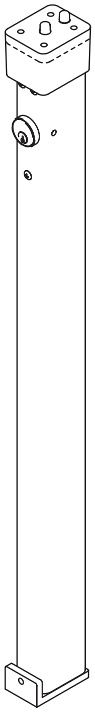
Keyed removable mullions are for use with 7100(F) series exit devices. They are designed for simple removing when an unobstructed large opening is required and easy replacement and locking to maintain the integrity of the opening.

- Easy cylinder installation.
- Mullion automatically relocks when reinstalled without the use of the cylinder key.
- When ordering, add KR prefix to mullion, example: KRM200 and KRM200F.
- KRM200 panic rated. Specify 7'2".
- KRM200F 1-1/2 hour fire rated. Specify 7'2" or 10'[1] (Fire rated up to 8')
- KRM200FWS 3 hour fire rated.
  Certified hurricane resistant (refer to local codes). Specify 7'2" or 8'. Hurricane

Notes:
1. For 8' length Mullion must be order as KRM200F option and cut in the field to 8' size.



KRM200(F)



KRM200FWS

Split Mullion

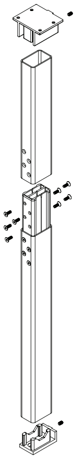
Hassle-free transportation with a 30% smaller packaging size. Mullions may be field cut to fit opening. Gray painted finish. Available only in 8'. When ordering add suffix SM, example M200SM and KRM200SM

M200SM Standard

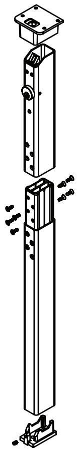
- Panic rated. Specify 8'
- Tubular steel, 2" x 3" (51mm x 76mm).

KRM200SM Key Removable Split Mullion

- Easy cylinder installation.
- Panic rated. Specify 8'
- Tubular steel, 2" x 3" (51mm x 76mm).



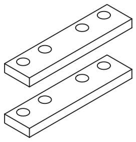
M200SM



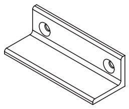
KRM200SM

M200(F), SM and KRM Options

- **M203 Spacer Block**
  Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing or for applications with 5-3/4" (146mm) or less door frames.



- **M204 Angle Bracket**
  Recommended for any header configuration with less than 3" (76mm) of mounting surface.



KRM Cylinders

As with any exit device trim, you must order a cylinder and collar if one is required. The ACCENTRA keyed removable mullion accepts a mortise cylinder. Refer to page 52 for details.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, mechanical and smart locks, access control and service.

ACCENTRA
ASSA ABLOY

TECHNICAL SUPPORT
(troubleshooting, product use and application, returns)
Tel: 855-557-5078
Email: techsupport.accentra@assaabloy.com

CUSTOMER SUPPORT
(orders, product configuration, pricing, lead-time)
Tel: 855-557-5078 x2
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160 Four Valley Drive
Vaughan, Ontario L4K 4T9
Tel: 1-800-461-3007
Fax: 1-800-461-8989
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ASSA ABLOY Americas International
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Fax: 1-905-821-1429
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ROCKWOOD

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ROCKWOOD
CATALOG – ACCESSORIES

Push Plates – .050" Thick

Material: Aluminum, brass, bronze, stainless steel

Finishes: Available in standard architectural finishes, US32D**MS**, US32D**316**, US32**316**, and US3**LIFETIME** (see page 9)

Fastener: #6 x 5/8" OH SMS

Features: Four beveled edges

Ordering: Specify plate number followed by size designation and finish (70B US32D) or for non-standard size 70
Specify width x height and finish. Specify any additional options

Options:
- Custom sizes available upon request
- TEK – self-drilling screws
- TORX – security Torx screws
- SA – self-adhesive mounting: 1/16" double face foam tape (no screw holes on plate)
- Engraving on plates 4" wide or wider. Specify copy. See page B1 for standard engraving locations
- Cylinder cutouts (CFC) and turn knob cutouts (CFTT). See page B1 for standard locations and sizes
- Heavy bevel available on 70A to 70G, specify HVBEV

No. 70

No.	Standard Size	Weight	ANSI A156.6
70A	3" x 12"	0.7 lbs.	J301
70B	3½" x 15"	0.9 lbs.	J301
70C	4" x 16"	1.0 lbs.	J301
70E	6" x 16"	1.5 lbs.	J301
70F	8" x 16"	2.0 lbs.	J301
70G	4" x 20"	1.3 lbs.	J301

No. 70RC

No.	Standard Size	Weight	ANSI A156.6
70RCA	3" x 12"	0.7 lbs.	J301
70RCB	3½" x 15"	0.9 lbs.	J301
70RCC	4" x 16"	1.0 lbs.	J301
70RCE	6" x 16"	1.5 lbs.	J301
70RCF	8" x 16"	2.0 lbs.	J301
70RCG	4" x 20"	1.3 lbs.	J301

No. 70RE

No.	Standard Size	Weight	ANSI A156.6
70REA	3" x 12"	0.7 lbs.	J301
70REB	3½" x 15"	0.9 lbs.	J301
70REC	4" x 16"	1.0 lbs.	J301

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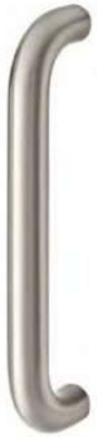
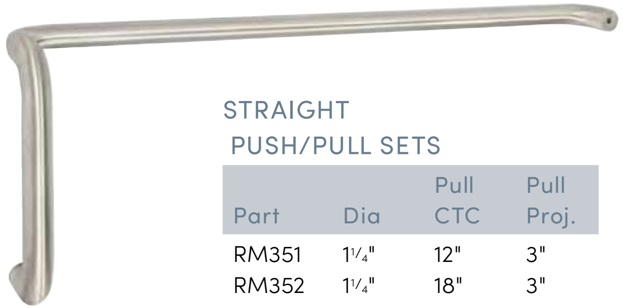
Tubular

Rugged beauty describes these functional tubular pulls.



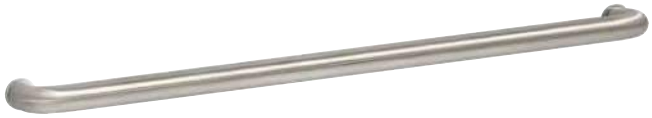
STRAIGHT PULLS - BENT ENDS

Part	Dia	CTC	Proj.
RM301	1¼"	12"	3"
RM302	1¼"	18"	3"
RM303	1¼"	24"	3"
RM304	1¼"	36"	3"
RM321	1½"	12"	3½"
RM322	1½"	18"	3½"
RM323	1½"	24"	3½"
RM324	1½"	36"	3½"



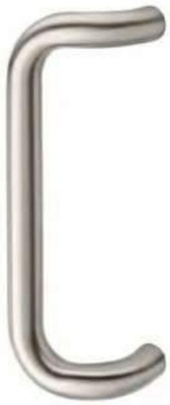
STRAIGHT PUSH/PULL SETS

Part	Dia	Pull CTC	Pull Proj.
RM351	1¼"	12"	3"
RM352	1¼"	18"	3"
RM371	1½"	12"	3½"
RM372	1½"	18"	3½"



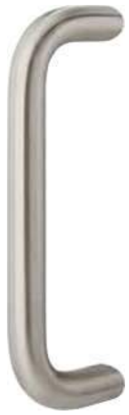
PUSH BARS

Part	Dia	Proj.
RM350	1¼"	3"
RM370	1½"	3½"



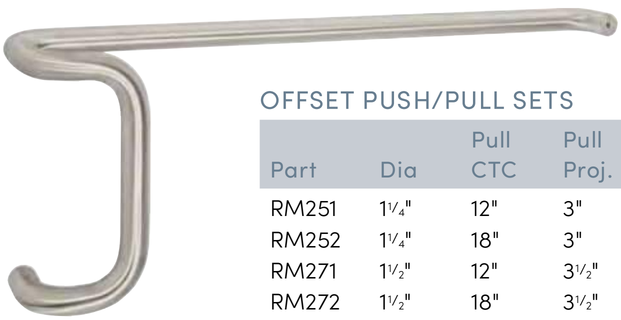
90° OFFSET PULLS - BENT ENDS

Part	Dia	CTC	Proj.
RM201	1¼"	12"	3"
RM202	1¼"	18"	3"
RM203	1¼"	24"	3"
RM204	1¼"	36"	3"
RM221	1½"	12"	3½"
RM222	1½"	18"	3½"
RM223	1½"	24"	3½"
RM224	1½"	36"	3½"



HEAVY DUTY 30° OFFSET PULLS

Part	Dia	CTC	Proj.
RM257	1¼"	10"	3¾"
RM258	1¼"	12"	3¾"
RM259	1¼"	18"	3¾"



OFFSET PUSH/PULL SETS

Part	Dia	Pull CTC	Pull Proj.
RM251	1¼"	12"	3"
RM252	1¼"	18"	3"
RM271	1½"	12"	3½"
RM272	1½"	18"	3½"

CUT SHEET

Rockwood RM3300

MegaTek Pull

Straight Pull - Flat Ends

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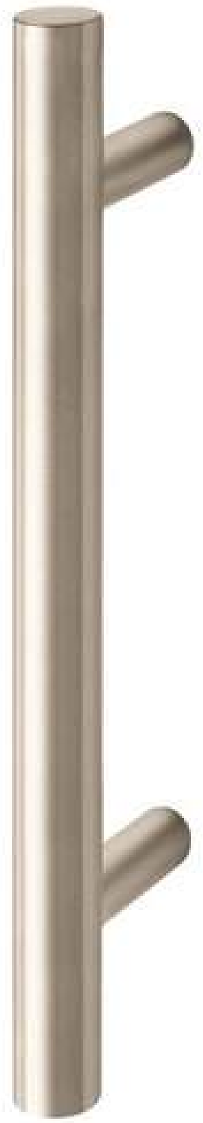

SPECIFICATIONS:

MATERIAL:
Aluminum, Brass, Bronze, Stainless Steel

OPTIONS:
For optional mid-post, suffix the product number with "MP" (example: RM3300MP). Over 96" available on select finishes.

ORDERING:
Specify CTC and overall length

MOUNTING NOTE:
1HD, 5HD, 6HD, 8HD, 12HD, 13HD, 15HD

AVAILABLE FINISHES:

- US3/605
- US4/606
- US10/612
- US10B/613
- 10BE/613E
- US28/628
- US32/629
- US32D
- US32316
- US32D316
- US32MS
- US32DMS
- 313/710
- 315/711
- BSP (Black Suede Powder Coat)
- BPC (Black Powder Coat)
- FBPC (Flat Black Powder Coat)
- WSP (White Suede Powder Coat)
- WPC (White Powder Coat)
- Stock Powder Coats

Diameter: 1"

Overall: Up to 96"

Rockwood Manufacturing Company
300 Main St.
Rockwood, PA 15557
www.rockwoodmfg.com
1 800 458 2424

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CATALOG

SURFACE CLOSERS

NORTON
RIXSON

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8000 SERIES

ARCHITECTURAL DOOR CLOSER

INTRODUCTION

Multi-sized surface closer offering a complete range of arms and a sleek, minimal design suited for moderate- to high-traffic, architectural openings.

FEATURES

- Exceeds 25 million cycles
- Adjustable spring sizes 1 through 6
- Tri-Style® packaging standard (regular arm, top jamb and parallel arm mounting)
- Non-handed
- Staked valves
- Cast aluminum closer body
- Rack and pinion design
- 1-1/4" (32mm) diameter piston
- 5/8" (16mm) diameter pinion journals
- 2-1/8" (54mm) projection (standard covers)
- All standard arm applications (with slim, full or metal covers) allow doors to swing 180 degrees, conditions permitting
- Full size template
- Standard, separate and independent, latch, sweep and back check intensity valves
- Application specific arms: Regular (S), Top Jamb (JS) and Parallel (P)
- Heavy-duty arms; Regular Rigid, Parallel Rigid, CloserPlus®, CloserPlus Spring™, Unitrol®
- Slide Tracks: push or pull side mounting
- 30-year limited warranty

Features	8301	8501
Slim Line Cover	✓	
Full cover		✓

OPTIONAL FEATURES

- Lead lined metal cover - suffix MLL
- Metal, architectural plastic or architectural metal covers (8501 only)
- Delayed action

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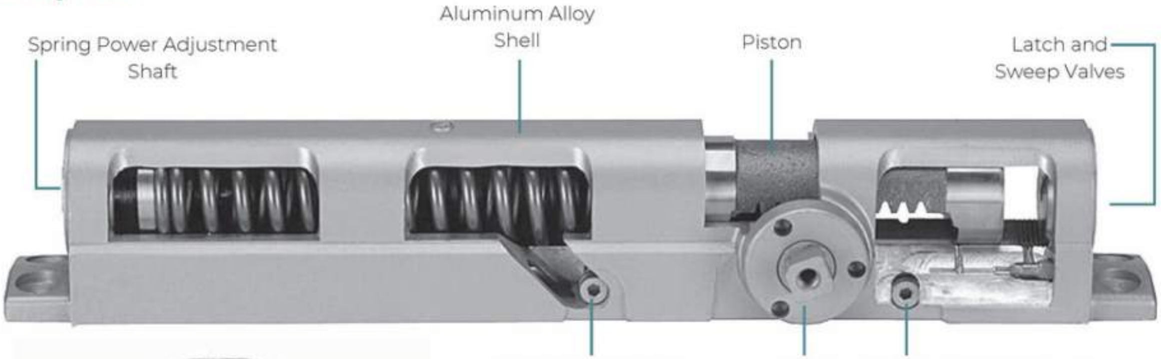
8000 SERIES

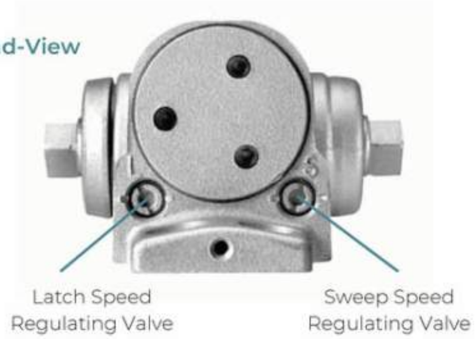
ARCHITECTURAL DOOR CLOSER

OVERVIEW

Cutaway View


Spring Power Adjustment Shaft
Aluminum Alloy Shell
Piston
Latch and Sweep Valves
Backcheck Intensity Regulating Valve
Pinion
Optional: "DA" Delayed Action Closing Regulating Valve

End-View


Latch Speed Regulating Valve
Sweep Speed Regulating Valve

CERTIFICATIONS

- ANSI/BHMA A156.4, Grade 1 certified BHMA CERTIFIED
- UL / cUL listed for use on fire rated doors UL
- UL10C listed for positive pressure fire test
- 8301 and 8501 door closers are designed to comply with requirements for the Americans with Disabilities Act (A.D.A)and ANSI standard A117.1 ♿
- This product is manufactured in an ISO 9001, ISO 14001 facility
- UL certified environmental product declaration

CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

EXPLANATION OF FEATURES

Aluminum Alloy Housing

Closer bodies are constructed of a special aluminum alloy, carefully selected to accommodate interactive steel components and operating conditions.

Rack & Pinion Operation

Provides a smooth constant control of the door through its full opening and closing cycle. 180° door swing can be achieved when door, frame, hardware and arm function do not interfere.

Non-handed

With few exceptions all series 8301/ 8501 door closers are non-handed and can be installed on either right- or left-hand swing doors. Pinion shaft extends vertically through the closer body in both directions. Some options will require that the hand of the closer be specified.

Sweep Speed Control Valve

Allows adjustment of door speed from the door's full open position down to approximately 10° from the closed position.

Latch Speed Control Value

Allows adjustment of door speed from approximately 10° down to the door's fully closed position.

Tri-Style®

8301/8501 comes with screws, brackets and soffit plates to allow for regular, top jamb, and parallel arm installations.

Adjustable Backcheck Cushion Valve

Provides control of the door in the opening cycle, beginning at approximately 75° of door opening. It cushions the door opening when the door is forcibly opened beyond its pre-adjusted limits.

Standard Molded Covers

Molded of high-impact U.L. listed material. These covers are non-handed for all applications.

Warranty

Limited 30-year warranty for defects and life of the building on the aluminum housing.

Closer Fluid

NorGlide® closer fluid is a specially formulated multi-viscosity hydraulic fluid that contains lubricity and anti-oxidation agents that provide optimum performance and efficiency. This fluid complements the interaction of the door closer's aluminum housing with its steel and brass components, while maintaining stable viscosity to allow the door closer to perform in temperatures ranging from extremely high to as low as -40° F.

DOOR CLOSER POWER OPTIONS

Series 8301/8501 Multi-Sized Door Closer

Adjustable through the power range of sizes 1 through 6; as outlined in ANSI/ BHMA specification A156.4 option PT 4H.

Closers will also comply with the opening force requirements as outlined in the Americans with Disabilities Act (ADA) and ANSI/BHMA standard A117.1 for interior doors.

Optional Metal Cover

This steel cover is non-handed for regular and parallel arm applications, but is handed for top jamb applications. Cover is available in sprayed or plated finishes.

Optional Architectural Covers *

Plastic

Architectural plastic covers are molded of high-impact U.L. listed material. They are non-handed and available in sprayed finishes.

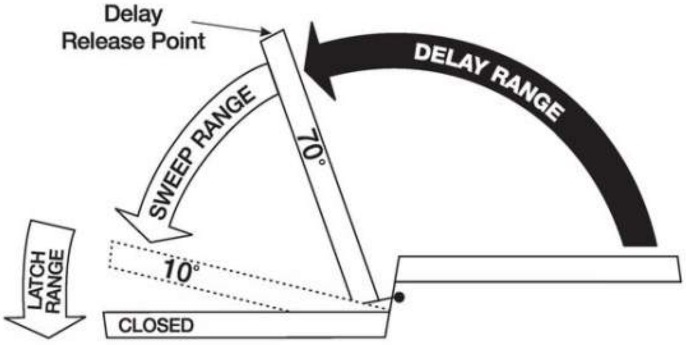
Metal

The architectural metal covers are steel and non-handed for all applications. These covers are available in sprayed or plated finishes.

Optional ABS Cover

Consult factory for details

EXPLANATION OF FEATURES



Adjustable Delayed Action Closing

An optional hydraulic feature that adds a third speed range to the closing cycle. This feature becomes effective when the door is opened and released at any point beyond 70°. The amount of time delay depends upon the combination of the angle of door release and valve adjustment. The valve can be adjusted with a 1/8" (3mm) hex key from no delay time up to maximum delay times of:

Door Opened and Released at	Approximate Time of Delay Cycle
180°	4-5 minutes
120°	2-3 minutes
90°	25-30 seconds

Pressure Relief Safety Valve

The delayed action hydraulic system contains a pressure relief valve. Any time the door is forced toward the closed direction while it is in the closing cycle, the valve will open and permit the door to close. This prevents damage to door, frame and closer.

Suggested Applications

Delayed Action closing allows slow moving traffic to clear the opening before the door closer's normal closing cycle begins. This feature can be helpful in health care facilities such as hospitals and nursing homes. It provides sufficient time for persons on crutches or in wheelchairs to pass through a door without concern of it closing. At the same time, it can accommodate the facility's staff with movement of food service carts, beds, and other wheeled traffic.

Use of delayed action closers on many doors throughout industrial and commercial buildings can also assist the flow of traffic. Locations where additional time to clear the opening is advantageous are doors between office and factory/ warehouse facilities, doors to workshops or laboratories, to kitchen and food processing areas, etc.

Non-Hold Open

Self-closes door every time door is opened. Auxiliary stop (by others) required except when using the CloserPlus®, CloserPlus Spring™ or Unitrol® arms.

Hold Open

Achieved by means of friction or ball and detent/ roller. Friction hold open has a range of 90° to 180° using template location and mechanical adjustment.

Ball and detent or roller hold open is effective in a range of 85° to 110°.

Hold open arm door closers are not permitted to be used on fire door assemblies.

Door Opening Degrees

Arm Function	Regular Top Jamb Parallel Arm	Parallel Rigid Arm	CloserPlus® Parallel Arm	CloserPlus Spring™ Parallel Arm	Unitrol® Parallel Arm	Unitrol® Top Jamb	Low Profile Regular, Parallel	Slide Track
Non-Hold Open	✓	✓	85° to 110°	85° to 110°	85° to 110°	85° to 110°	✓	85° to 110°/180°
Hold Open	90° to 180°	85° to 180°	85° to 110°	85° to 110°	85° to 180°	85° to 180°	N/A	85° to 110°

✓=180° trim and template permitting

7500 Series
7570 Series
8000 Series
1600 Series
2800ST Series
9300 Series
78-BF Series
1700 Series
210 Series
160 Series
9500 Series
9540 Series
410 Series

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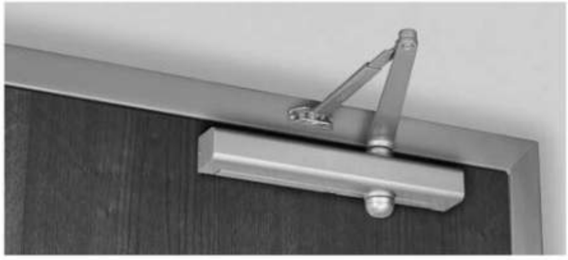
8000 SERIES
ARCHITECTURAL DOOR CLOSER

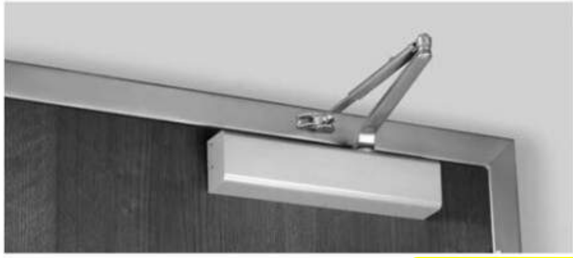
APPLICATIONS



8301 - slim cover

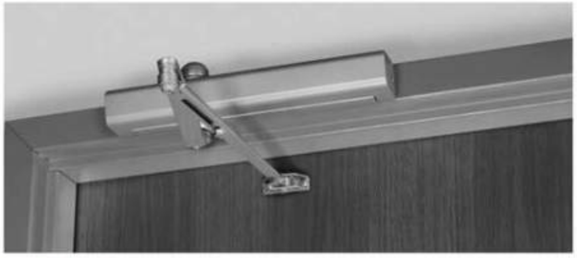
Regular Arm

This is the only pull side application where a double lever arm is used. It is the most power-efficient application for a door closer. Sufficient frame, door and/or ceiling clearance must be considered.



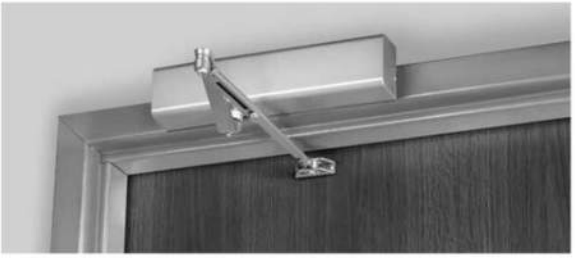
8501 - full cover

Since the arm assembly projects directly out from the frame, this application may present an aesthetics issue or be prone to vandalism.

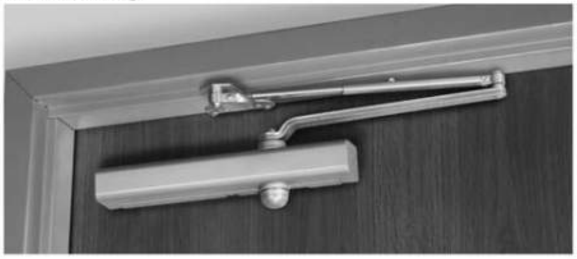


Top Jamb

For efficiency reasons this application provides the best alternative to the regular arm application. There must be sufficient frame face and/or ceiling clearance for this application. It requires a top rail on the door of just 2-1/4" (57mm). This application provides the best door control for doors in exterior walls that swing out of a building.

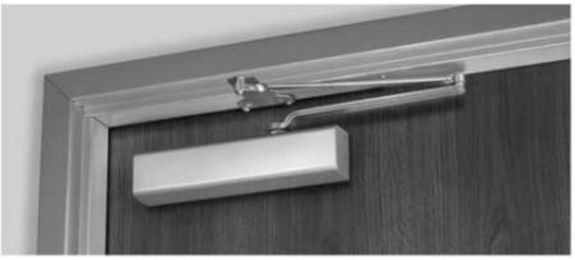


The entire door closer and arm assembly project from the frame, similar to the regular arm application, where matters of appearance and malicious abuse can be of concern. Consideration must be given to depth of frame reveal.



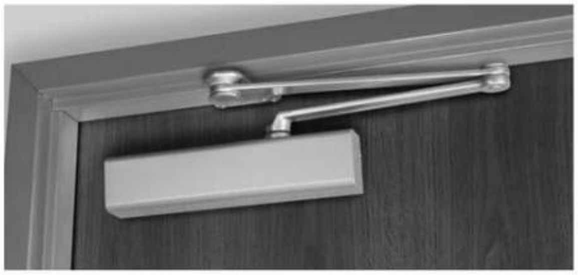
Parallel Arm

This application provides the most appealing design appearance for a surface mounted door closer having a double lever arm. This also makes it beneficial in vandalism-prone areas. It is on the push side of the door and the arm assembly extends almost parallel to the door. In the closed position, there is very little or no hardware projecting beyond the frame face in most situations.



Due to the geometry of the arm it is approximately 25% less power efficient than a regular arm application. The entire closer and arm assembly are mounted below the frame stop. Top rail clearance dimensions will vary based on the type of cover used.

APPLICATIONS

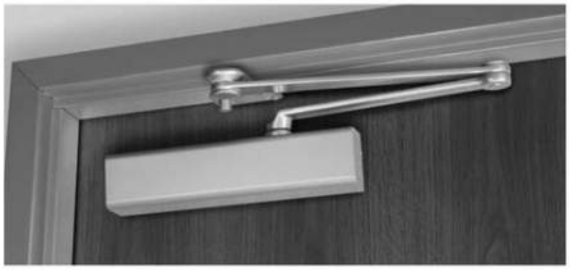


Non-hold open arm shown

Parallel Rigid Arm

An enhanced variation of the standard parallel arm assembly that is intended for use in heavy traffic areas where auxiliary door stops are installed.

Hold open available - specify hand when ordering.



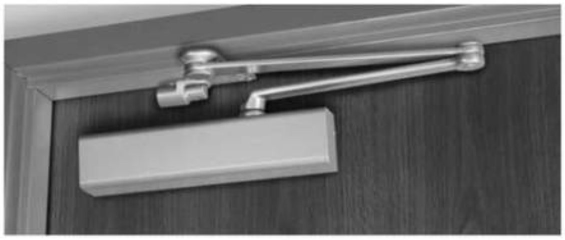
Non-hold open arm shown

CloserPlus® Arm

Similar to the Parallel Rigid arm, this arm incorporates a stop at the arm's soffit plate to dead stop the door at a predetermined degree of door swing between 85° to 110°, in 5° increments. Prior to dead stop the door closer's backcheck feature slows the door speed to reduce the impact of the stop action.

The CloserPlus Arm is intended for use where an auxiliary door stop cannot be utilized and no more than moderate abuse is anticipated. Where more extreme conditions are expected, use of a Unitrol arm is recommended.

Available with or without hold open. (Hold open strength is adjustable.)

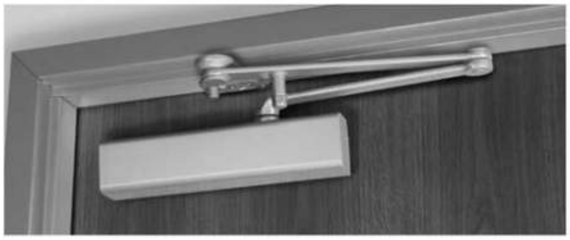


Non-hold open arm shown

CloserPlus Spring™

This arm has all the characteristics of the CloserPlus arm with an additional steel buffer spring that provides greater protection at the end of the door opening cycle.

For extreme conditions, use of a Unitrol arm is recommended. Available with or without hold open.



CloserPlus Ramp™

The CLP-R uses a patent pending ramp and plunger design that easily slides into place reducing wear often seen on traditional hold open arms. Ideal for applications where the door will constantly be pulled out of hold open.

8000 SERIES

ARCHITECTURAL DOOR CLOSER

FINISHES

Norton Rixson offers waterborne acrylic, polyster powder coat and plated finishes. Custom finishes are available on special order. A sample and approval is required.

Waterborne acrylic and polyester powder coat will withstand 100 hours of salt spray (ANSI requires 25 hours).

Specify BHMA Designation	Description
600[1]	Prime Coat
605[2]	Bright Brass
606[2]	Satin Brass
611[2]	Bright Bronze
612[2]	Satin Bronze
613E	Dark Oxidized Satin Bronze - Equivalent
619[2]	Satin Nickel
625[2]	Bright Chrome
626[2]	Satin Chrome

Specify BHMA Designation	Description	Complements the following finishes
689	Aluminum	628, 625, 629, 630, 651, 652
690	Statuary Bronze	640, 613
691	Dull Bronze	612, 637, 639
693	Black	315
694	Medium Amber	313
696	Gold	605, 606, 632, 633
BSP	Black Suede Powder	
WSP	White Suede Powder	

[1] 600 is a special rust-inhibiting prime coat. Closers can be ordered prime coat only (specify closer x 600). An additional charge applies if finish coat is required over prime coat.

[2] Plated finish

- Closer bodies and plastic covers are available in waterborne acrylic finishes. Arms and metal covers are available in powder coat or plated finishes.
- When a plated finish is ordered, arm and cover will be plated unless "cover only" is specified.

HOW TO ORDER

For optimum protection of door and frame assemblies, always use auxiliary wall, floor, or overhead door stop.

CLP	8	5	0	1	T
Prefixes	**First Digit**	**Second Digit**	**Third Digit**	**Fourth Digit**	**Suffixes**
	Defines Closer Series	Specifies Cover Options	Specifies Some Options	Specifies Closer Size	

Prefixes

- **No Prefix** - 8301/8501 series designates Tri-Style®
- **S** - 8301/8501 regular arm application only, non-hold open
- **JS** - 8301/8501 top jamb application only, non-hold open
- **P** - 8301/8501 parallel arm application only, non-hold open 8381/8581 low profile closer
- **J** - Top Jamb installation. 2-3/4 to 7" reveal - 150° swing
- **PR** - Parallel rigid arm (parallel arm only - specify hand for hold open functions)
- **PRO** - Parallel rigid arm with offset soffit plate (parallel arm only - specify hand for hold open applications)
- **PS** - For push side mounted slide track only
- **R** - Regular rigid heavy-duty arm (Torx® screws not included)
- **CLP** - CloserPlus® arm (parallel arm only)
- **CPS** - CloserPlus Spring™ arm (parallel arm only)
- **UNI** - Unitrol® arm (parallel arm only - specify door width)
- **UNIJ** - Unitrol arm (top jamb only - specify frame reveal)

Second Digit — Appearance Options

- **1** - without cover
- **3** - closer with Slim Line cover
- **5** - closer with Full cover

Third Digit

- **0** - Specifies standard type arms for non-hold open, hold open closers
- **4** - Specifies low profile slide track
- **8** - Specifies a low profile arm for non-hold open closers only

Fourth Digit

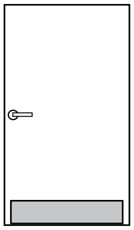
- **1** - Adjustable 1-6

Suffixes

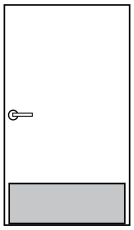
- **No Suffixes** - Standard non-hold open arm
- **H** - Standard hold open arm
- **M** - Metal cover; optional for series 8501 closers only (Specify hand for Top Jamb closer
- **MLL** - Lead lined metal cover
- **A** - Optional Architectural Plastic cover (8501 only)
- **MA** - Optional Architectural Metal cover (8501 only)
- **T** - Thumbturn hold open on CloserPlus (CLP) & CloserPlus Spring (CPS) arms
- **DA** - Adjustable delayed action closing optional. Available with adjustable backcheck cushioning for all series
- **ST** - Slide track single lever arm (pull side standard. For push side prefix PS)
- **ST-180** - Slide track single lever (pull side only); 180° swing
- **DE** - Pull side slide track arm for double egress frame with reveal (Handed)
- **G** - ABS cover
- **R** - Ramp hold open on CloserPlus® arm

Note:

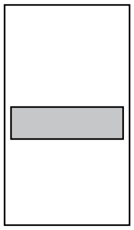
- Before installing a door closer, verify the accessibility, fire, and life-safety requirements that are in effect. This includes the mounting height and projection into the clear opening. Check the adopted state and local building codes and consult the Authority Having Jurisdiction (AHJ)
- To maintain the warranty and ensure proper operation of the product, follow the installation instructions & templates and install on the inside of the building.
- Consult NFPA 80 for the hinge requirements on a fire door.
- Failure to use fasteners supplied with closer may void factory warranty.
- Optional fasteners are available for a variety of applications. Consult the door and frame manufacturer to ensure the proper fasteners are used to maintain certifications.
- Sizing charts are based on 1-3/4" x 7' standard weight doors swinging to 110°. Other application conditions (e.g. larger door heights or weight) may require larger size closer. Adjusting the spring power to meet the low opening force requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, may not provide adequate closing power to dependably close and latch the door in some conditions (i.e. air movement from wind gusts or building stack pressure).



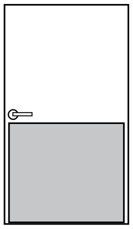
Mop Plate
Up to 6"h x 48"w



Kick Plate
6" to 12"h x 48"w



Stretcher Plate
6" to 12"h and up to 48"w



Armor Plate
Up to 48"h x 48"w and available in most finishes

OPTIONAL Self-Drilling TEK Screws: Cuts door plate installation time in half.

Width of Plates:
Push Side: 2" less than door width.
Pull Side: $1\frac{1}{2}$" less than door width.

NFPA 80 STANDARDS — 2-4.5 Protection Plates: Factory-installed protection plates shall be installed in accordance with the listing of the door. Field-installed protection plates shall be labeled and installed in accordance with their listing.

Exception: Labeling is not required where the top of the protection plate is not more than 16" (406 mm) above the bottom of the door.

Metal Door Plate – Economy Duty No. K1038

Material: .038" stainless steel
Finishes: US32D
Fastener: #6 x $\frac{5}{8}$" OH SMS
Ordering: Specify height x width x finish code. Add any options
Weight: 8" x 34" = 3.2 lbs
Features: • All edges come beveled
Options:
- SA – self-adhesive mounting
- TORX – security Torx screws
- TEK – self-drilling screws
- Cutouts for locks, louvers, or windows (see worksheets on pages C14-C15 for details on how to order)

Metal Door Plate - Standard Duty No. K1050

Material: .050" Stainless Steel
Finishes: US32D
Fastener: #6 x 5/8" OH SMS
Features: • All edges come beveled
Options:
- One day shipping available
- Door markings are not available on quick ship

Metal Door Plate – Standard Duty No. K1050, K1050F

Material: .050" aluminum, brass, bronze, stainless steel
Finishes: 10BE, US32D, US32DMS
Fastener: #6 x $\frac{5}{8}$" OH SMS
Ordering: Specify height x width x finish code. Add any options
Weight: 8" x 34" = 4.0 lbs
ANSI: J101 - metal armor plate, J102 - metal kick plate, J103 - metal stretcher & mop plate
Features: • All edges come beveled
Options:
- SA – self-adhesive mounting
- TEK – self-drilling screws
- Cutouts for locks, louvers, or windows (see worksheets on pages C14-C15 for details on how to order)
- Heavy bevel available, specify HVBEV
- Screw mounting (K1050F) and UL listed for use on 90-minute label wood doors and 3-hour label metal doors
- CSK – countersunk holes
- TORX – security Torx screws

Windstorm Plate – K1050WS

Material: 050" Aluminium, Brass, Bronze, Stainless Steel
Finishes: Standard Architectural Finishes
Fastener: #10x$\frac{5}{8}$" Pan Head Tek Screws
Ordering: Part # when ordering is K1050WS
All plates are UL and Windstorm rated
Features: • All edges come beveled
Options:
- Cutouts for locks, louvers or windows
- Rounded Corners
- Heavy Bevel
- Screw Mount only

Certified to the below standards:
- ICC-500 (2014)
- FEMA Guideline 320 (2014)
- FEMA Guideline 361 (2015)

Part of windstorm assembly cards: ZHLA.45, ZHLA.46, ZHLA.47, ZHLA.51, ZHLA.53, ZHLA.54

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Solid Cast Wall Stops No. 400, 401, 402

Material: Cast brass with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features: Concealed mounting, convex bumper. Back plate prevents damage to wall

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
400	Convex	#6 x 1$^{1}/_{2}$" FH SMS, plastic toggle	2$^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02101
401	Convex	#8 x 1" RH WS, plastic anchor	2$^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02101
402	Convex	#8 - 32 x 1" TH MS, lead anchor	2$^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02101

Solid Cast Wall Stops No. 403, 404, 405

Material: Cast brass with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features: Concealed mounting, concave bumper. Back plate prevents damage to wall

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
403	Concave	#6 - 1$^{1}/_{2}$" FH SMS, plastic toggle	2$^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02251
404	Concave	#8 x 1" RH WS, plastic anchor	2$^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02251
405	Concave	#8 - 32 x 1" TH MS, lead anchor	2$^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02251

Wrought Wall Stops No. 406

Material: Wrought brass, bronze, and stainless steel with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features:
- Concealed mounting, convex bumper. Back plate prevents damage to wall
- Accepted by the New York State Office of Mental Health (OMH) for use in high risk areas

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
406	Convex	#8 x 1$^{1}/_{4}$" TH SMS, plastic toggle	2$^{1}/_{2}$" dia.	$^{3}/_{4}$"	1.8 lbs./10	L02101

Wrought Wall Stops No. 409

Material: Wrought brass, bronze, and stainless steel with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features:
- Concealed mounting, concave bumper. Back plate prevents damage to wall
- Accepted by the New York State Office of Mental Health (OMH) for use in high risk area

Options: DuraFlex bumper available in standard gray or optional black

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
409	Concave	#8 x 1$^{1}/_{4}$" TH SMS, plastic toggle	2$^{1}/_{2}$" dia.	$^{3}/_{4}$"	1.8 lbs./10	L02251

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Light Duty Low Dome Floor Stop No. 438

Material: Cast with rubber bumper

Finishes: US26D or US10B only

Features: For doors without thresholds (not undercut)

No.	Fastener	Base	Height	Weight	ANSI A156.16
438	plastic anchor and one screw	1/8" h x 1 11/16" dia.	1"	1 lb./10	L02141

Light Duty High Dome Floor Stop No. 439

Material: Cast with rubber bumper

Finishes: US26D or US10B only

Features: For doors with thresholds or undercut doors

No.	Fastener	Base	Height	Weight	ANSI A156.16
439	plastic anchor and one screw	3/8" h x 1 3/4" dia.	1 1/4"	1.5 lbs./10	L02141

Low Dome Stops No. 440, 441

Material: Solid cast brass with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Other: No. 441 is packed with both WS and MS fasteners

Features: For doors without thresholds (not undercut).

Options: Exterior pack screw packs, stainless steel plated to match — use EXP suffix (440 x EXP) when ordering.

No.	Fastener	Base	Height	Weight	ANSI A156.16
440	#12 x 1 1/4" FH WS, plastic anchor	1/4" h x 1 7/8" dia.	1 1/8"	2.1 lbs./10	L02141
441	#12 x 1 1/2" FH WS, plastic anchor; #12 - 24 x 1" FH MS, lead anchor	1/4" h x 1 7/8" dia.	1 1/8"	2.5 lbs./10	L02141

Dome Stop Combination Unit No. 441CU

Material: Solid cast brass with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Other: Set consists of 1 each No. 441 and 1 each No. 444. For use at doors with or without a threshold

Features: Convertible for undercut or not undercut doors

Options: Exterior pack screw packs, stainless steel plated to match — use EXP suffix (441CU x EXP) when ordering

No.	Fastener	Base	Height	Weight	ANSI A156.16
441CU	#12 x 1 1/2" FH WS, plastic anchor; #12 - 24 x 1 1/2" FH MS, lead anchor	Dome stop: 1/4" h x 1 7/8" dia. Riser: 3/8" h x 2" dia.	1 1/8" or 1 1/2"	3 lbs./10	L02141/ L02161
444	Cast riser only	3/8" h x 1 7/8" dia.	3/8"	10 ozs./10	L02141

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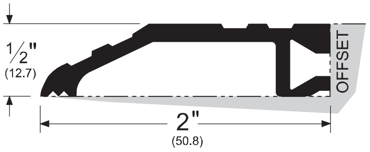
HALF SADDLE THRESHOLDS *((Cont.)*

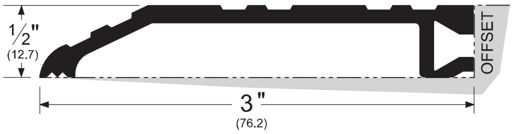
252_

AVAILABLE FINISHES: **10BE, A, B, BSP, D, WSP**
ANSI (aluminum): **J33100, J33130**
ANSI (brass): **J13100, J13130**



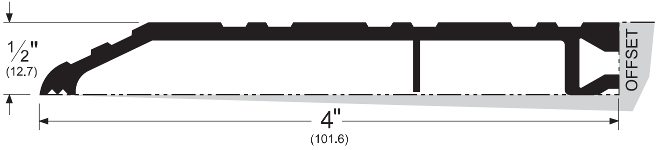
253_

AVAILABLE FINISHES: **10BE, A, B, BSP, D, WSP**
ANSI (aluminum): **J33100, J33130**
ANSI (brass): **J13100, J13130**



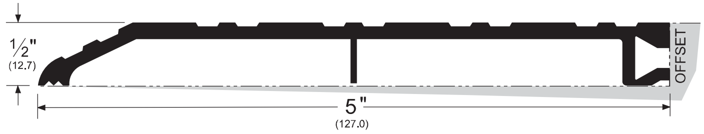
254_

AVAILABLE FINISHES: **10BE, A, B, BSP, D, G, WSP**
ANSI (aluminum): **J33100, J33130**
ANSI (brass): **J13100, J13130**



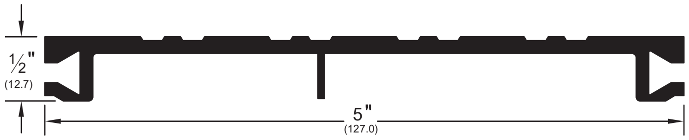
255_

AVAILABLE FINISHES: **10BE, A, B, BSP, D, G, WSP**
ANSI (aluminum): **J33100, J33130**
ANSI (brass): **J13100, J13130**



2555_

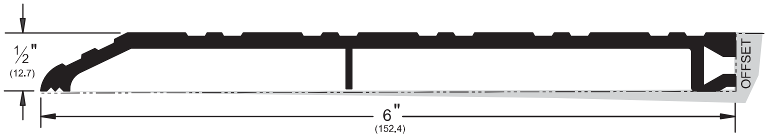
AVAILABLE FINISHES: **10BE, A,BSP, D, WSP**
ANSI (aluminum): **J33100**



* 2555_ can be combined with other half saddles on one or both sides. If combined only on one side, the opposite side should be mounted flush with an existing offset. Either stated application is required for this to be ADA-compliant.

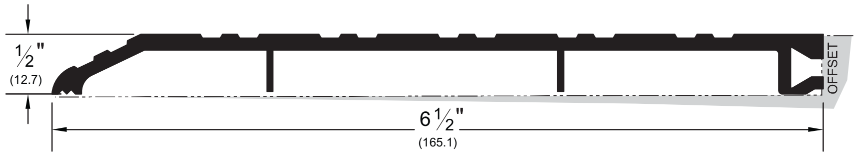
256_

AVAILABLE FINISHES: **10BE, A, BSP, D, WSP**
ANSI (aluminum): **J33100, J33130**



2565_

AVAILABLE FINISHES: **10BE, A, BSP, D, WSP**
ANSI (aluminum): **J33100, J33130**



NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum) **B** (Mill Finish Extruded Bronze [Brass])
BSP (Black Suede Powder Coated Aluminum) **D** (Dark Bronze Anodized) **G** (Gold Anodized)
WSP (White Suede Powder Coated Aluminum)

NOTE: **G** is available with limited inventory

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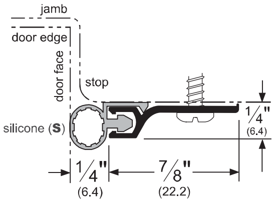
STANDARD PERIMETER GASKETING

- Rigid jamb weatherstrip shown mounted on openings with 1/16" gaps; however, each weatherstrip can seal gaps up to the depth of its seal. Seal depth provided on each illustration (example: the **303** has a 1/4" seal; therefore, it can seal up to a 1/4" gap)
- Punched on 6" centers with slotted holes for adjustment
- Model 303 is available with self-adhesive two-sided tape (TST) and tek screws (3 slotted holes per part) for easy installation. To obtain this option, add "TST" to the end of the part when ordering (example: **303AVTST**)
- Pemko is continually commissioning tests for acoustic assemblies. More profiles may be tested from this category. Please contact Customer Service if the options here don't suit your application.

303_S

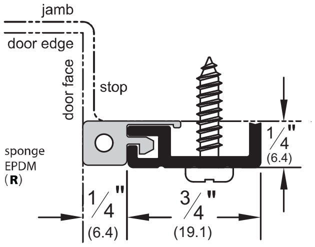
AVAILABLE FINISHES: **10BE, A, BSP, C, D, G, PW, SN, WSP**
REPLACEMENT INSERT: **S3 (BL, GR, W)**
ANSI: **R3E164, R3E165**



BHMA CERTIFIED

312_R

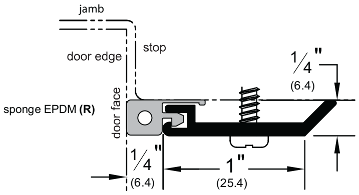
AVAILABLE FINISHES: **10BE, BSP, C, D, WSP**
REPLACEMENT INSERT: **ER9BL (BL)**
ANSI (alum): **R3G164, R3G165**



BHMA CERTIFIED

315_R

AVAILABLE FINISHES: **10BE, BSP, C, D, WSP**
REPLACEMENT INSERT: **ER9BL (BL)**
ANSI (alum): **R3G164, R3G165**



BHMA CERTIFIED

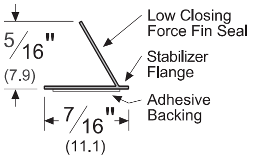
SILICONSEAL ADHESIVE-BACKED GASKETING

- SiliconSeal is extruded from high-temperature silicone; effective between -58°F and 450°F
- Self-extinguishing and non-toxic; unaffected by sunlight, ozone, and ultraviolet rays
- Impervious to fungus and mildew; will not deteriorate under normal exposure
- Meets FAR 25.853 Airworthiness Standards for Compartment Interiors

S44_

AVAILABLE FINISHES: **BL, C, D, GR, W**
AVAILABLE LENGTHS: **17', 18', 20', 21', 25', 30', 204', 510'**
ANSI: **R0E154, R0E155**

- Designed for tighter frames
- Demonstrates extremely low closing force
- Seal begins compressing at 5/16"; compresses to seal up to a 1/16" gap

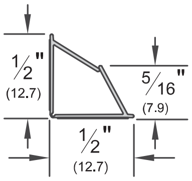


BHMA CERTIFIED

S442_

AVAILABLE FINISHES: **BL, D, W**
AVAILABLE LENGTHS: **17', 18', 20', 21', 25', 30', 510'**
ANSI: **R0E154, R0E155**

- Fits flush into corner
- Seal begins compressing at 5/16"; compresses to seal up to a 1/16" gap in either direction

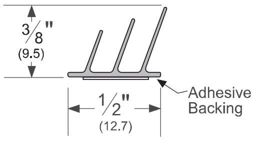


BHMA CERTIFIED

S773_

AVAILABLE FINISHES: **BL, D, GR, W**
AVAILABLE LENGTHS: **17', 18', 20', 21', 25', 30', 250', 500'**
ANSI: **R0E154, R0E155**

- Triple-fin design effectively blocks light and sound from infiltrating a room
- Seal begins compressing at 3/8"; compresses to seal up to a 3/32" gap



BHMA CERTIFIED

NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
Metal: **10BE** (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum)
BSP (Black Suede Powder Coated Aluminum) **D** (Dark Bronze Anodized) **G** (Gold Anodized)
PW (Painted White) **SN** (Satin Nickel Anodized) **WSP** (White Suede Powder Coated Aluminum)
SiliconSeal: **BL** (Black) **C** (Clear) **D** (Dark) **GR** (Gray) **W** (White)

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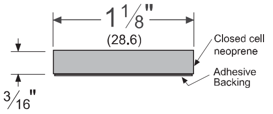
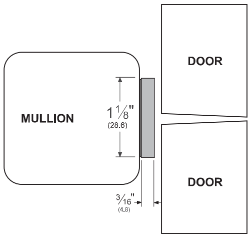
ADHESIVE-BACKED MULLION GASKETING

5110_

AVAILABLE FINISH: **BL**
AVAILABLE LENGTHS: **120"**
ANSI: **R0C004**

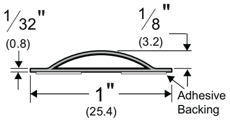

1 1/8"
(28.6)
Closed cell neoprene
Adhesive Backing
3/16"
(4.8)

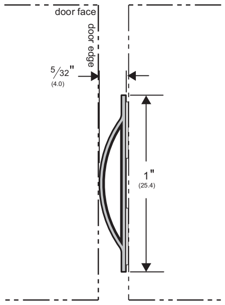

DOOR
MULLION
1 1/8"
(28.6)
DOOR
3/16"
(4.8)

ADHESIVE-BACKED ASTRAGAL SEAL

S1125 _

AVAILABLE FINISH: **D**
AVAILABLE LENGTHS: **7', 8', 10'**


1/32"
(0.8)
1/8"
(3.2)
1"
(25.4)
Adhesive Backing


door face
door edge
5/32"
(4.0)
1"
(25.4)

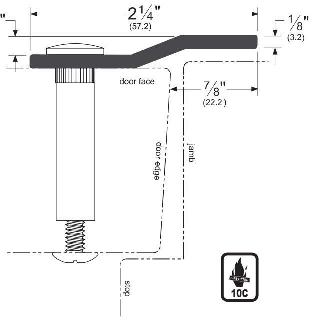
OFFSET SECURITY BAR

- For use on single outswing wood or metal doors
- Covers gap between the door and jamb for the full door height, preventing prying and manipulation
- 3572_ supplied drilled 12" on center with 3/8" holes; “ND” denotes “no drill”

3572_
3572_ND

AVAILABLE FINISHES:
SP, SPBSP, SPWSP,
SS (#4 Finish & #4 Edge)
AVAILABLE LENGTHS:
80", 84" and 96"

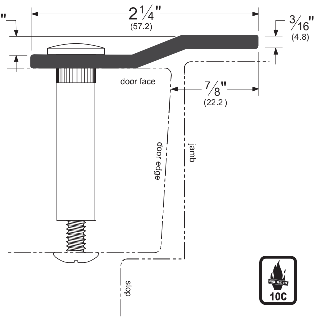
10 GAUGE


3/16"
(4.8)
2 1/4"
(57.2)
1/8"
(3.2)
door face
7/8"
(22.2)
door edge
jamb
stop
10C

3572PP7
3572PP7ND

AVAILABLE FINISHES:
PP
AVAILABLE LENGTHS:
84"

7 GAUGE


3/16"
(4.8)
2 1/4"
(57.2)
3/16"
(4.8)
door face
7/8"
(22.2)
door edge
jamb
stop
10C

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
BL (Black) **D** (Dark Brown) **PP** (Prime Painted) **SP** (Galvanized Steel)
SS (See Individual Part) **SPBSP** (Black Suede Powder Coated Steel)
SPWSP (White Suede Powder Coated Steel)

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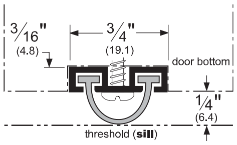
SPECIALTY DOOR BOTTOMS

- May be used in many different applications. Some of these shapes may be used as meeting stile gasketing; see page 174 for examples
- Supplied Net Length (as ordered)

313_N

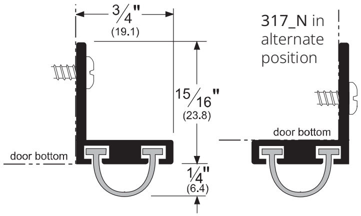
AVAILABLE FINISHES: **A, D, G**
REPLACEMENT INSERT:
E1 (BL, GR)
ANSI: **R3G416**


3/16"
(4.8)
3/4"
(19.1)
door bottom
1/4"
(6.4)
threshold (**sill**)

EPDM (**N**)

317_N

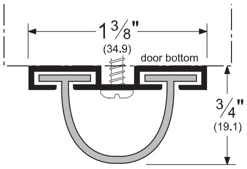
AVAILABLE FINISHES: **A, BSP, D**
REPLACEMENT INSERT: **E1 (BL, GR)**
ANSI: **R3G416**


3/4"
(19.1)
317_N in
alternate
position
15/16"
(23.8)
door bottom
door bottom
1/4"
(6.4)

EPDM (**N**)

314_N

AVAILABLE FINISHES: **C, D, G**
REPLACEMENT INSERT: **E3 (BL, GR)**
ANSI: **R3G416**

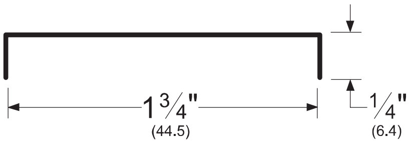

1 3/8"
(34.9)
door bottom
3/4"
(19.1)

EPDM (**N**)

DOOR TOP WEATHERSTRIP

_344

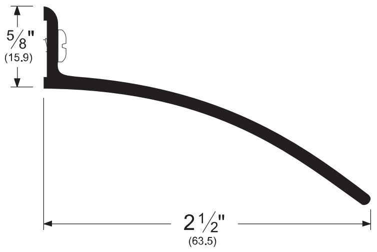
AVAILABLE FINISHES: **PA**
AVAILABLE LENGTHS: **36", 48"**


1 3/4"
(44.5)
1/4"
(6.4)

346_

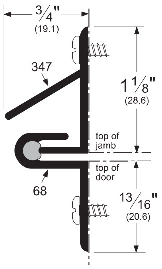
AVAILABLE FINISHES: **10BE, BSP, C, D, WSP**

- Overhead rain drip with slotted holes
- Should be ordered a minimum of 4" longer than the door width


5/8"
(15.9)
2 1/2"
(63.5)

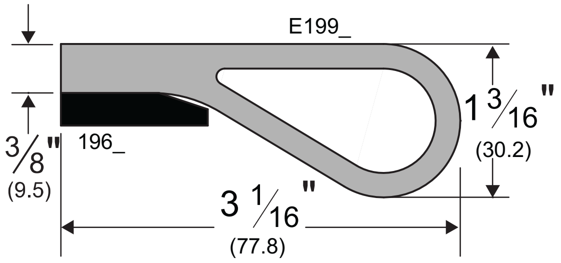
347_
68_R

AVAILABLE FINISHES: **A, D, G**


3/4"
(19.1)
347
1 1/8"
(28.6)
top of
jamb
top of
door
68
13/16"
(20.6)

HEAVY DUTY DOOR BUMPER

- Heavy duty door bumper extruded from black EPDM (E)
- Order 196_ separately; furnished undrilled unless requested otherwise


E199_
196_
3/8"
(9.5)
1 3/16"
(30.2)
3 1/16"
(77.8)

E199_

AVAILABLE COLOR: **BL**

196_

AVAILABLE COLOR: **A**

NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum) **BSP** (Black Suede Powder Coated Aluminum)
C (Clear Anodized) **D** (Dark Bronze Anodized) **G** (Gold Anodized) **PA** (Painted Aluminum)
WSP (White Suede Powder Coated Aluminum)
Non-Metal Finish: **BL** (Black)

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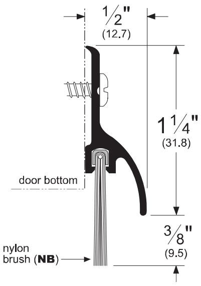
DOOR BOTTOM SWEEPS *(Cont.)*

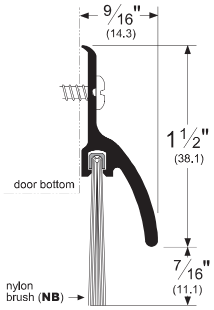
3452_NB

AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P14075 (BL, GR)
ANSI: **R3A534**


1/2" (12.7)
1 1/4" (31.8)
door bottom
3/8" (9.5)
nylon brush (NB)

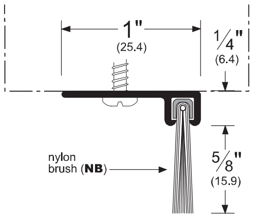
345_NB

AVAILABLE FINISHES:
A, BSP, D, G, WSP
REPLACEMENT INSERT:
P14100 (BL, GR)
ANSI: **R3A534**


9/16" (14.3)
1 1/2" (38.1)
door bottom
7/16" (11.1)
nylon brush (NB)

90062_NB

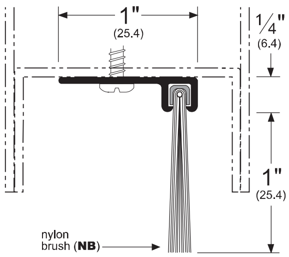
AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P516062 (BL, GR, W)
ANSI: **R3A414**


1" (25.4)
1/4" (6.4)
nylon brush (NB)
5/8" (15.9)

90100_NB

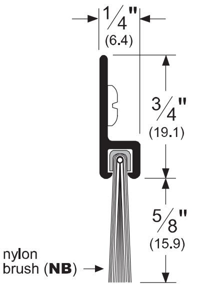
AVAILABLE FINISHES:
BSP, C, D, WSP
REPLACEMENT INSERT:
P516100 (BL, GR, W)
ANSI: **R3A414**

For hollow metal doors with inverted channel


1" (25.4)
1/4" (6.4)
1" (25.4)
nylon brush (NB)

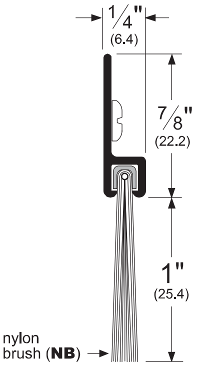
18061_NB

AVAILABLE FINISHES:
BSP, C, D, G, SN, WSP
REPLACEMENT INSERT:
P516062 (BL, GR, W)
ANSI: **R3A434**


1/4" (6.4)
3/4" (19.1)
5/8" (15.9)
nylon brush (NB)

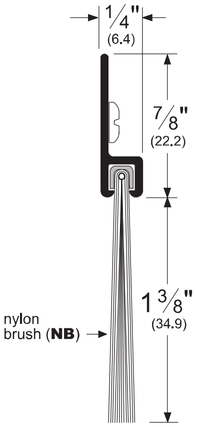
18100_NB

AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P38100 (BL, GR)
ANSI: **R3A434**


1/4" (6.4)
7/8" (22.2)
1" (25.4)
nylon brush (NB)

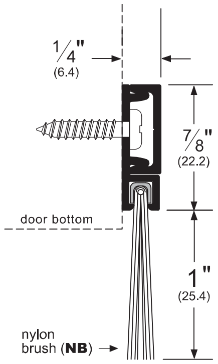
18137_NB

AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P38137 (BL, GR)
ANSI: **R3A434**


1/4" (6.4)
7/8" (22.2)
1 3/8" (34.9)
nylon brush (NB)

293100_NB

AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P516100 (BL, GR)


1/4" (6.4)
7/8" (22.2)
door bottom
1" (25.4)
nylon brush (NB)

NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
A (Mill Finish Aluminum) **BSP** (Black Suede Powder Coat) **C** (Clear Anodized)
D (Dark Bronze Anodized) **G** (Gold Anodized) **SN** (Satin Nickel Anodized)
WSP (White Suede Powder Coat)

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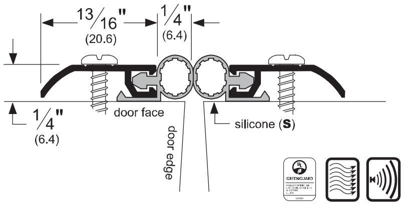
ASTRAGAL AND MEETING STILE GASKETING – SPLIT ASTRAGALS

- Astragals and meeting stiles with a fire label may be mounted on pairs of doors wherein the gap meets the requirements of **NFPA 80, 6.3.1.7.1 "The clearance between... the meeting edges of doors swinging in pairs on the pull side shall be 1/8" ± 1/16" (3.18mm ± 1.59mm) for steel doors and shall not exceed 1/8" (3.18mm) for wood doors"**
- Punched with slotted holes for adjustment
- Order split astragals at two (2) pieces by door height per set of double doors. When ordering add "/2" to the end of the part number to specify 2 pieces (i.e. order quantity 1 each 303AS84/2 to get two lengths at 84 inches)
- Clear anodized brush products are supplied with gray brush. Painted white brush products are supplied with white brush when available, otherwise black brush is supplied. All other finishes supplied with black brush. Black brush is available for clear anodized and painted white brush products upon request.

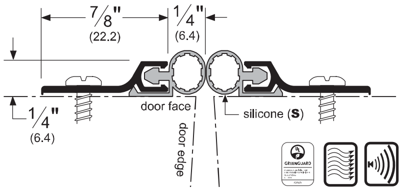
297_S

AVAILABLE FINISHES:
10BE, A, BDG, BSP, D, PW, SN, WSP
REPLACEMENT INSERT:
S3 (BL, W)
ANSI: **R3E734, R3E735**



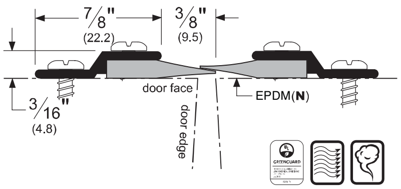
303_S

AVAILABLE FINISHES:
10BE, A, BSP, C, D, G, PW, SN, WSP
REPLACEMENT INSERT:
S3 (BL, W)
ANSI: **R3E734, R3E735**



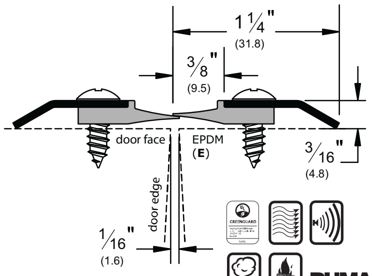
305_N

AVAILABLE FINISHES:
10BE, B, BSP, C, D, WSP
REPLACEMENT INSERT:
E2 (BL)
ANSI: **R3G734, R3G735**



305SSE

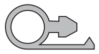
AVAILABLE FINISHES:
SS (#4 Finish)
REPLACEMENT INSERT:
E2 (BL)
ANSI: **R5G734, R5G735**



Alternate Inserts For 297

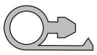
297_PK

AVAILABLE FINISHES:
10BE, A, BDG, BSP, D, PW, SN, WSP
REPLACEMENT INSERT:
PK47 (BL, GR)
ANSI: **R3G734, R3G735**



297_V

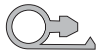
AVAILABLE FINISHES:
10BE, A, BDG, BSP, D, PW, SN, WSP
REPLACEMENT INSERT:
EV47 (BL, GR, W)



Alternate Inserts For 303

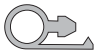
303_PK

AVAILABLE FINISHES:
10BE, A, BSP, C, D, G, PW, SN, WSP
REPLACEMENT INSERT:
PK47 (BL, GR)
ANSI: **R3G734**



303_V

AVAILABLE FINISHES:
10BE, A, BSP, C, D, G, PW, SN, WSP
REPLACEMENT INSERT:
EV47 (BL, GR, W)



AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum) **BDG** (Bright Dip Gold Anodized) **BSP** (Black Suede Powder Coated Aluminum) **C** (Clear Anodized) **D** (Dark Bronze Anodized) **G** (Gold Anodized) **PW** (Painted White) **SN** (Satin Nickel Anodized) **WSP** (White Suede Powder Coated Aluminum)

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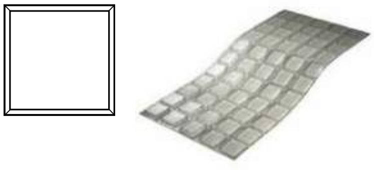


Wall Guard No. 606-RKW

Material: Clear rubber

Other: Sold in sheets of 55

Features: Self-adhesive mounting

No.	Fastener	Size	Weight
606-RKW	Self-adhesive back	1"x1"	0.4 lbs./55

PDLAA

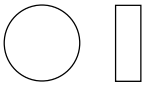
Privacy Door Latch No. PDLAA

Material: Zinc die cast

Finishes: US26D, US26, US15, BSP, US3, US4, 10BE

Features:
- ADA compliant
- Enhanced in room privacy
- Easy to install
- For use with UL Classified fire doors for use with hollow metal steel composite type fire doors rated up to and including 3 hrs Wood composite type fire doors rated up to and including $1\frac{1}{2}$ hrs and 20 minutes without hose stream

No.	Fastener	Size	Weight
PDLAA	#12 x 1-1/4" FH SMS	$1\frac{1}{2}$"x$2\frac{3}{16}$"	0.8 oz.



Door Silencer No. 608CA

Material: Clear rubber

Other: Sold in packages of 300

Features: Self-adhesive mounting

No.	Fastener	Size	Weight
608CA	$\frac{3}{8}$"dia.x$\frac{1}{8}$"	Metal or wood	0.2 lbs./300

608

609

Door Silencers No. 608-RKW, 609

Material: Gray rubber

Other: Sold in packages of 100

No.	Size	Frame Type	Weight	ANSI A156.16
608-RKW	$\frac{1}{2}$"dia.x$\frac{5}{8}$"	Metal	1.3 lbs./500	L03011
609	$\frac{3}{8}$"x$\frac{3}{4}$"	Wood	1.3 lbs./500	L03021

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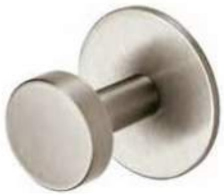
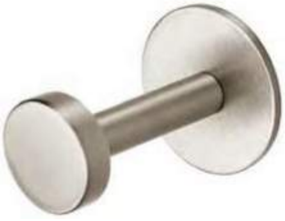
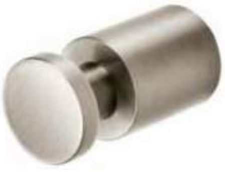
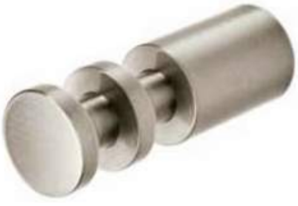
Coat Hooks

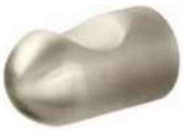
Available in most architectural finishes, our collection of coat hooks add an element of convenience to enhance any environment.

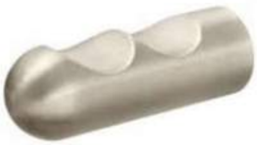

RM801

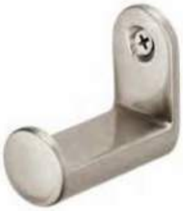

RM802

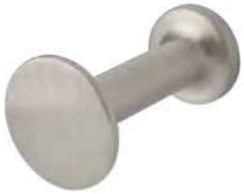

RM803

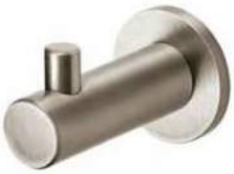

RM804

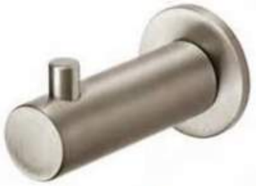

RM805
RM807

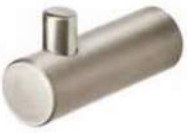

RM806
RM808

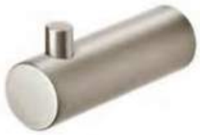

RM811

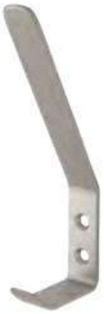

RM812

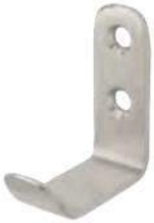

RM820


RM821


RM822


RM823


RM828


RM829

ESSENTIAL COAT HOOKS

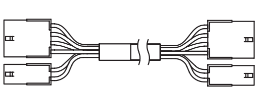
Part	Size	Part	Size
RM801	1¼" x 1¾"	RM811	¾" x 1⅝"
RM802	1¼" x 2¾"	RM812	1¼" x 2¼"
RM803	1" x 2"	RM820	½" x 1⅝"
RM804	1" x 3"	RM821	⅝" x 2⅛"
RM805	1" x 1¾"	RM822	½" x 1½"
RM806	1" x 3"	RM823	⅝" x 2"
RM807	1¼" x 2⅛"	RM828	¾" x 2⅞"
RM808	1¼" x 3½"	RM829	¾" x 1⅞"

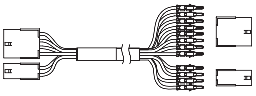
ElectroLynx® Retrofit Cables

If you are not ordering ASSA ABLOY Door Group doors with the ElectroLynx® cable pre-installed in the door, you must order an ElectroLynx® retrofit cable to go between ANY hardware and the hinge. This includes 3" cables to go from the hinge to an exit device and up to a 15' cable to go up and around a full lite metal door.

QC-C1500P Shown

Standard ElectroLynx® Retrofit Cable Sizes





Actual Cable Length	12 Conductor and Molex both ends	12 Conductor and Molex one end, pinned one end	Typical Application
3"	QC-C003	QC-C003P	Between hinge and the end of an exit device.
6"	QC-C006	QC-C006P	
12"	QC-C012	QC-C012P	
26"	QC-C200	QC-C200P	Between hinge and through the door to the lockset or exit device trim.
32"	QC-C206	QC-C206P	
38"	QC-C300	QC-C300P	
44"	QC-C306	QC-C306P	
50"	QC-C400	QC-C400P	
15' 2"	QC-C1500	QC-C1500P	From the hinge location, up the jamb to above the ceiling, or up and around full lite or half lite metal door.
25'	-	QC-C2500P	
30'	-	QC-C3000P	

Custom lengths available.

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Accessories

DPS Door Position Switches

DPS-W and DPS-M door position switches enable access control systems to monitor the open or closed state of a door.

These switches can transmit an initiate signal to XDT delayed exit logic timers and DPA door prop logic timers.

Features

Standard Features

- Mated magnetic switch and cylindrical magnetic contact
- Recesses into door and frame
- 3/4" [19mm] round installation, 15/16" [23.8125mm] deep
- Provides normally closed SPST switch
- Works with door gap up to 3/4" [18mm]
- Larger cylindrical magnet counters shielding effect of steel
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- Available in white, gray or black

Specifications

Electrical

- Switching Current AC/DC (max): 0.4 A

Environmental

- Operating Temperature: -40˚ to 150˚ F [-40˚ to 65˚ C]

How to Order

MODEL SERIES	DOOR TYPE	FINISH
DPS	– M	– BK
DPS Door Position Switch	**M** Metal Door	**BK** Black
	W Wood Door	**GY** Gray
		WH White

LIFE
MagnaCare Warranty

Updated 7/13/22 Printed in the U.S.A. Patent pending and/or patent www.assaabloydss.com/patents

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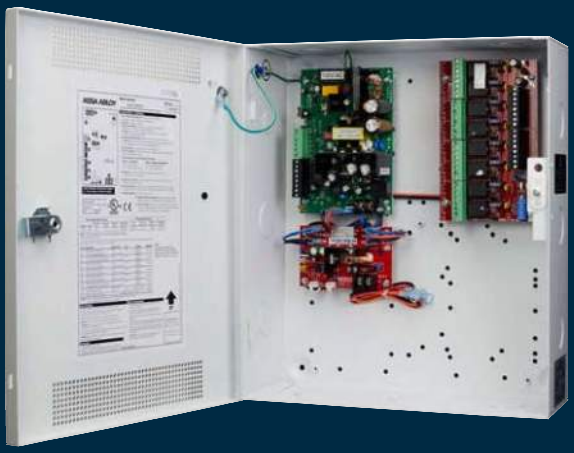
Power

AQL Series

Single, dual & multi-voltage ready intelligent power system



An out-of-the-box solution that offers unique performance and value.

The AQL Series of switching power supplies is an out-of-the-box solution that makes installation easier. It is feature rich, network management ready and available in 12 or 24 VDC single, dual and multi-voltage units.

LIFE MagnaCare Warranty

Battery Backup

Features

Standard Features

- Low battery cutoff protects batteries from deep discharge
- Dedicated fast charger prolongs battery life
- Enhanced surge immunity for input/output protection
- LockSafe™ keeps locks cooler by providing a separate, dedicated battery charging circuit
- OutSmart™ technology dual-color LED notification which prevents incorrect voltage application to locking devices [Green: 12 V | Blue: 24 V]
- Auxiliary output rated 1.4 A continuous
- Mix and match UL Listing
- Instant auto-switch to battery on AC loss
- Multi-voltage with B100
- Integrated Fire Alarm Interface (FAI) allows main output shutdown or disconnect on a per output basis when using an R8 output module
- Network ready with optional Netlink™ module
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- Enhanced Network Management
    - AC line voltage monitoring
    - Remote battery monitoring and testing
    - 1000 event data recording
    - Email fault reporting

Specifications

Certifications

- UL 294 Listed
- UL 603 Listed
- UL 1076 Listed
- ULC-S318 Listed
- ULC-S319 Listed
- CSA C22.2 #107.1
- RoHS Compliant

Electrical

- 12 VDC or 24 VDC output
- 12 VDC & 24 VDC output *(optional)* with B100
- 120 or 230 VAC input
- Up to 91% efficiency

Environmental

- Operating Temperature: 32° to 120° F [0° to 49° C]

Max Shipping Weight

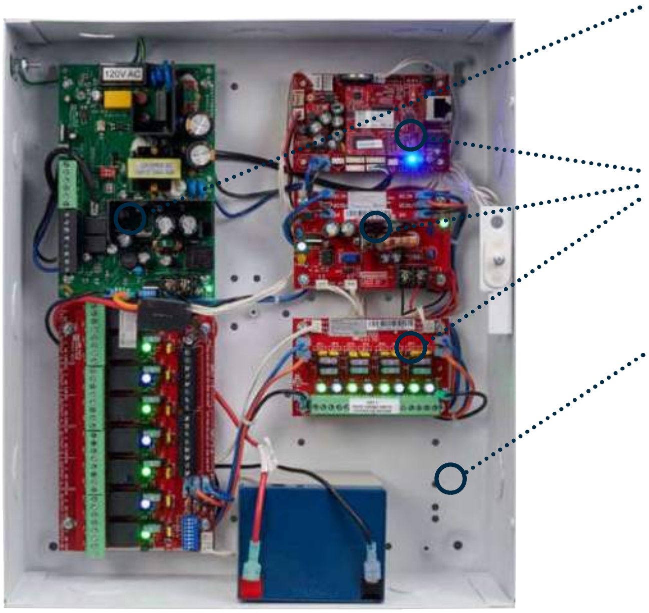
- 15.50 lbs [7 kg]

Dimensions

- 14"H x 12"W x 4.5"D [355.6mm H x 304.8mm W x 114.3mm D]

UL CERTIFIED CE

Step by Step Configuration



1 *Select One Power Supply Module*

- AQL4
- AQL6
- AQL102
- AQL104

2 *Select Required Modules*[*]

- B100
- R8
- D8
- D8P
- NL4

3 *Choose Enclosure*[**]

- E1

4 *Combine to Generate Final Part Number*

Example:

AQL4 - B100 + D8 + R8 + NL4 + E1 =

AQL4-B100D8R8NL4E1

[*] *When ordering more than one module, indicate quantity before the part number to generate final part number; for example AQL4-3D8E1.*

[**] *No enclosure = Module PCB only. Each module may be ordered separately.*

Models

MODELS	AMPERAGE	RATED VOLTAGE	INPUT VOLTAGE	TYPICAL OUTPUT VOLTAGE	MULTI-VOLTAGE READY	CLASS 2 OUTPUTS
AQL4*	4	12 VDC	120/230 VAC	12.5 or 25 VDC	Yes	Yes
	3	24 VDC				
AQL6	6	12 or 24 VDC	120/230 VAC	12.5 or 25 VDC	Yes	with PTC distribution boards
AQL102	10	12 VDC	120/230 VAC	12.5 VDC	Yes**	with PTC distribution boards
AQL104	10	24 VDC	120/230 VAC	25 VDC	Yes	with PTC distribution boards

**AQL4 is field selectable. **Multi-voltage of 5 to 9 VDC only*

How to Order

POWER SUPPLY MODULE	SECONDARY VOLTAGE MODULE	DISTRIBUTION MODULE	D8 FUSE STYLE	RELAY MODULE	NETLINK MODULE	ENCLOSURE
AQL4	-B100	2D8	P	R8	NL4	E1
AQL4	**(blank)**	**(blank)**	**(blank)** 3 A ATM Fuse	**(blank)**	**(blank)**	**(blank)** Module Only
AQL6	**B100**	**D8**	**P** 2.5 A PTC Polyswitch	**R8**	**NL4**	**E1**
AQL102		**2D8**		**2R8**		
AQL104		**3D8**		**3R8**		
		4D8				
		5D8				
		6D8				

AQL4 in an E1 enclosure has six module spaces where B100, NL4 and D8/D8P each take up one module space. R8 takes up two module spaces.

AQL6, AQL102 and AQL104 in an E1 enclosure has four module spaces where B100 , NL4 and D8/D8P each take up one module space. R8 takes up two module spaces.

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Engineered Openings, Inc.
192 Anderson Circle
Alto, GA 30510
706-776-7356

Schedule of Hardware

By : Debbie Purcell, AHC, CFADI
For : Jackson Co. Airport

Architect:	Goodwyn Mills Cawood, LLC 6120 Powers Ferry Rd NW Atlanta, GA 30339-
Contractor:	Sunbelt Builders 10641 Highway 36 Covington, GA 30014-
Date	11/20/2024

Manufacturer's List

Mfr.	Hardware Used
SA	Rim Exit Device, Rim Exit Device Exit Only, Mullion, Electrified Mortise Lock
MK	Hinge, Full Mortise, Hinge, Full Mortise, Hvy Wt, ElectroLynx Harness
RO	Push Plate, Door Stop, Wall Stop, Silencer, Coat Hook, Pull, Door Pull, Kick Plate, Mop Plate
NO	Surface Closer
YA	Core, Bathroom Lock, Storeroom or Closet Lock, Entry Lock, Classroom Lock, Rim Exit Device, Mullion, Rim Cylinder, Mortise Cylinder
PE	Gasketing, Continuous Hinge, Astragal, Rain Guard, Sweep, Threshold
SU	Electric Power Transfer, Position Switch, Power Supply

Project Keying Legend

Project ID: 24-112 Jackson Co. Airport
Job Number: 24-112

Door ID	Opening Location	HW Set ID	Hand	Keying	Lock Information (Mfr \ Part Desc)	
100A	Exterior From Lobby R100	12.0	RHRA/LHR		YA \ 1193 (1193) YA \ 1193 (1193) SA \ LC TB 56 8804 ETL (8804) YA \ 2196 (2196) YA \ 2196 (2196)	Rim Cylinder Rim Cylinder Rim Exit Device Mortise Cylinder Mortise Cylinder
100B	Exterior From Lobby R100	12.0	RHRA/LHR		YA \ 1193 (1193) YA \ 1193 (1193) SA \ LC TB 56 8804 ETL (8804) YA \ 2196 (2196) YA \ 2196 (2196)	Rim Cylinder Rim Cylinder Rim Exit Device Mortise Cylinder Mortise Cylinder
100C	Lobby R100 To Corridor R119	10.0	LH		SA \ LC IDP NAC-82271-24v LNL (NAC-82271-24v) YA \ 2196 (2196)	Electrified Mortise Lock Mortise Cylinder
104	Corridor R107 From Janitor R104	6.0	RHR		YA \ 1210 (1210) YA \ AUR 8805FL (8805FL)	Core Storeroom or Closet Lock
106A	Corridor R107 To Collaboration Room R106	4.0	LH		SA \ LC TB 56 8804 ETL (8804)	Rim Exit Device
106B	Exterior From Collaboration Room R106	1.0	RHRA/LHR		YA \ 7105 121NL (121NL) YA \ 1210 (1210) YA \ 1210 (1210) YA \ 1210 (1210) YA \ 2196 (2196) YA \ KRM200 7'2" (KRM200)	Rim Exit Device Core Core Core Mortise Cylinder Mullion
106C	Exterior From Collaboration Room R106	1.0	RHRA/LHR		YA \ 7105 121NL (121NL) YA \ 1210 (1210) YA \ 1210 (1210) YA \ 1210 (1210) YA \ 2196 (2196) YA \ KRM200 7'2" (KRM200)	Rim Exit Device Core Core Core Mortise Cylinder Mullion
108	Collaboration Room R106 To Supply R108	6.0	RH		YA \ 1210 (1210) YA \ AUR 8805FL (8805FL)	Core Storeroom or Closet Lock
109	Exterior From Mechanical R109	2.0	RHR		YA \ 1210 (1210) YA \ AUR 8805FL (8805FL)	Core Storeroom or Closet Lock
111	Corridor R107 To Pilot's Area R111	10.0	LH		SA \ LC IDP NAC-82271-24v LNL (NAC-82271-24v) YA \ 2196 (2196)	Electrified Mortise Lock Mortise Cylinder
113	Corridor R107 To Elect Data R113	6.0	RH		YA \ 1210 (1210) YA \ AUR 8805FL (8805FL)	Core Storeroom or Closet Lock
114	Corridor R119 To F.B.O R114	8.0	LH		YA \ AUR 8808FL (8808FL) YA \ 1210 (1210)	Classroom Lock Core
115	Directors Office R116 From Stor. R115	5.0	RHR		YA \ AUR 8808FL (8808FL) YA \ 1210 (1210)	Classroom Lock Core
116	Corridor R119 To Directors Office R116	7.0	LH		YA \ AUR 8807FL (8807FL) YA \ 1210 (1210)	Entry Lock Core
117A	Corridor R119 To Lineman Office R117	7.0	RH		YA \ AUR 8807FL (8807FL) YA \ 1210 (1210)	Entry Lock Core

Project Keying Legend

Project ID: 24-112 Jackson Co. Airport
Job Number: 24-112

Door ID	Opening Location	HW Set ID	Hand	Keying	Lock Information (Mfr \ Part Desc)	
117B	Exterior From Lineman Office R117	2.0	LHR		YA \ 1210 (1210) YA \ AUR 8805FL (8805FL)	Core Storeroom or Closet Lock
118	Lineman Office R117 From Stor. R118	5.0	LHR		YA \ AUR 8808FL (8808FL) YA \ 1210 (1210)	Classroom Lock Core
119	Exterior From Corridor R119	2.0	RHR		YA \ 1210 (1210) YA \ AUR 8805FL (8805FL)	Core Storeroom or Closet Lock
120	Office R121 From Stor. R120	5.0	RHR		YA \ AUR 8808FL (8808FL) YA \ 1210 (1210)	Classroom Lock Core
121	Corridor R119 To Office R121	7.0	LH		YA \ AUR 8807FL (8807FL) YA \ 1210 (1210)	Entry Lock Core
122	Corridor R119 To Office R122	7.0	RH		YA \ AUR 8807FL (8807FL) YA \ 1210 (1210)	Entry Lock Core
123	Office R122 From Stor. R123	5.0	LHR		YA \ AUR 8808FL (8808FL) YA \ 1210 (1210)	Classroom Lock Core
124	Lobby R100 From Visitors Office R124	3.0	LHR		SA \ LC IDP NAC-82271-24v LNL (NAC-82271-24v) YA \ 2196 (2196)	Electrified Mortise Lock Mortise Cylinder

DOOR INDEX

Project ID: 24-112 Jackson Co. Airport

Door Number	Arch Mark	Item Number	Heading #	Keying	Hand
100A	100A	25	12.0		RHRA/LHR
100B	100B	26	12.0		RHRA/LHR
100C	100C	21	10.0		LH
102	102	23	11.0		LH
103	103	24	11.0		LH
104	104	12	6.0		RHR
105	105				NH
106A	106A	7	4.0		LH
106B	106B	1	1.0		RHRA/LHR
106C	106C	2	1.0		RHRA/LHR
108	108	13	6.0		RH
109	109	3	2.0		RHR
110	110	20	9.0		LHR
111	111	22	10.0		LH
112A	112A				NH
113	113	14	6.0		RH
114	114	19	8.0		LH
115	115	8	5.0		RHR
116	116	15	7.0		LH
117A	117A	16	7.0		RH
117B	117B	4	2.0		LHR
118	118	9	5.0		LHR
119	119	5	2.0		RHR
120	120	10	5.0		RHR
121	121	17	7.0		LH
122	122	18	7.0		RH
123	123	11	5.0		LHR
124	124	6	3.0		LHR

Hardware Schedule

Project ID: 24-112 - Jackson Co. Airport

Heading #: 1.0

1	PRA/PRI	Door: 106B	Exterior From Collaboration Room R106	RHRA/LHR	90 °
1	PRA/PRI	Door: 106C	Exterior From Collaboration Room R106	RHRA/LHR	90 °

2-3' 0" x 7' 0" x 1 3/4" HMD/HMF

4 EA	Continuous Hinge	CFM83HD1		(HC-1) Pemko
2 EA	Mullion	KRM200 7'2"	600	(MU-2) Yale
2 EA	Rim Exit Device	7105 EO	630	(ED-3) Yale
2 EA	Rim Exit Device	7105 121NL	630	(ED-4) Yale
6 EA	Core	1210	626	(CY-2) Yale
2 EA	Mortise Cylinder	2196	626	(CY-3) Yale
4 EA	Pull	RM201 Mtg-Type 1XHD	US32D	(PP-1) Rockwood
4 EA	Surface Closer	CPS8501	689	(CL-2) Norton
4 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
2 EA	Threshold	252A x 72" MS25SS		(TH-2) Pemko
2 EA	Gasketing	S773BL 20'		(GA-2) Pemko
2 EA	Gasketing	5110BL 120"		(GA-3) Pemko
2 EA	Rain Guard	346C 76 x 0"		(GA-4) Pemko
4 EA	Sweep	3452CNB x 36"		(SW-1) Pemko
2 EA	Astragal	297AS x 84"		(AS-1) Pemko

All other hardware by the door supplier

Heading #: 2.0

1	SGL	Door: 109	Exterior From Mechanical R109	RHR	90 °
1	SGL	Door: 117B	Exterior From Lineman Office R117	LHR	90 °
1	SGL	Door: 119	Exterior From Corridor R119	RHR	90 °

3' 0" x 7' 0" x 1 3/4" HMD/HMF

3 EA	Continuous Hinge	CFM83HD1		(HC-1) Pemko
3 EA	Storeroom or Closet Lock	AUR 8805FL	626	(LO-5) Yale
3 EA	Core	1210	626	(CY-2) Yale
3 EA	Surface Closer	CPS8501	689	(CL-2) Norton
3 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
3 EA	Threshold	252A x 36" MS25SS		(TH-1) Pemko
3 EA	Gasketing	S773BL 17'		(GA-1) Pemko
3 EA	Rain Guard	346C x 40" x 0"		(GA-5) Pemko
3 EA	Sweep	3452CNB x 36"		(SW-1) Pemko

Heading #: 3.0

1	SGL	Door: 124	Lobby R100 From Visitors Office R124	LHR	90 °

3' 7/8" x 6' 9 3/4" x 1 3/4" ALD/ALF

2 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
1 EA	Hinge, Full Mortise	TA2714 QC12 4-1/2" x 4-1/2"	US26D	(HI-2) McKinney
1 EA	Electrified Mortise Lock	LC IDP NAC-82271-24v LNL BIKPS-0E SN200	US32D	(LO-1) Sargent
1 EA	Mortise Cylinder	2196	626	(CY-3) Yale
1 EA	Surface Closer	8501	689	(CL-1) Norton
1 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
1 EA	Wall Stop	403	US26D	(ST-1) Rockwood
1 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
1 EA	ElectroLynx Harness	QC-C012		(EA-2) McKinney
1 EA	ElectroLynx Harness	QC-C1500P		(EA-3) McKinney
1 EA	Power Supply	AQL4-R8E1		(PS-2) Securitron

Elevation and Point to Point as required. Notes: Perimeter/meeting stiles seals by frame/door supplier. Electronic Operation: Valid card or code unlocks outside lever or key retracts latchbolt. Request to exit shows authorized egress. Free egress at all times. In case of power loss, door remains locked and latched. Lock included with card reader, door position switch, and request to exit.

Heading #: 4.0

1	SGL	Door: 106A	Corridor R107 To Collaboration Room R106	LH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

2 EA	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	(HI-3) McKinney
1 EA	Hinge, Full Mortise, Hvy Wt	T4A3786 QC12 4-1/2" x 4-1/2" Middle hinge	US26D	(HI-4) McKinney
1 EA	Rim Exit Device	LC TB 56 8804 ETL SN200 BIKPS-0E	US32D	(ED-1) Sargent
1 EA	Surface Closer	8501	689	(CL-1) Norton
1 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
1 EA	Wall Stop	403	US26D	(ST-1) Rockwood
1 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
3 EA	Silencer	608-RKW		(SI-1) Rockwood
1 EA	ElectroLynx Harness	QC-C012		(EA-2) McKinney
1 EA	ElectroLynx Harness	QC-C1500P		(EA-3) McKinney
1 EA	Power Supply	AQL4-R8E1		(PS-2) Securitron

Elevation and Point to Point as Specified. Notes: Electronic Operation: Valid Card or code unlocks outside lever or key retracts latchbolt. Request to exit shows authorized egress. Free Egress at all times. In case of power loss, door remains locked and latched. Lock included with card reader, door poistion switch, and request to exit.

Heading #: 5.0

1	SGL	Door: 115	Directors Office R116 From Stor. R115	RHR	90 °
1	SGL	Door: 118	Lineman Office R117 From Stor. R118	LHR	90 °
1	SGL	Door: 120	Office R121 From Stor. R120	RHR	90 °
1	SGL	Door: 123	Office R122 From Stor. R123	LHR	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

12 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
4 EA	Classroom Lock	AUR 8808FL	626	(LO-3) Yale
4 EA	Core	1210	626	(CY-2) Yale
4 EA	Wall Stop	403	US26D	(ST-1) Rockwood
4 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
12 EA	Silencer	608-RKW		(SI-1) Rockwood

Heading #: 6.0

1	SGL	Door: 104	Corridor R107 From Janitor R104	RHR	90 °
1	SGL	Door: 108	Collaboration Room R106 To Supply R108	RH	90 °
1	SGL	Door: 113	Corridor R107 To Elect Data R113	RH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

9 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
3 EA	Storeroom or Closet Lock	AUR 8805FL	626	(LO-5) Yale
3 EA	Core	1210	626	(CY-2) Yale
3 EA	Surface Closer	8501	689	(CL-1) Norton
3 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
3 EA	Wall Stop	403	US26D	(ST-1) Rockwood
3 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
9 EA	Silencer	608-RKW		(SI-1) Rockwood

Heading #: 7.0

1	SGL	Door: 116	Corridor R119 To Directors Office R116	LH	90 °
1	SGL	Door: 117A	Corridor R119 To Lineman Office R117	RH	90 °
1	SGL	Door: 121	Corridor R119 To Office R121	LH	90 °
1	SGL	Door: 122	Corridor R119 To Office R122	RH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

12 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
4 EA	Entry Lock	AUR 8807FL	626	(LO-4) Yale
4 EA	Core	1210	626	(CY-2) Yale
4 EA	Wall Stop	403	US26D	(ST-1) Rockwood
4 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
12 EA	Silencer	608-RKW		(SI-1) Rockwood

Heading #: 8.0

1	SGL	Door: 114	Corridor R119 To F.B.O R114	LH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

3 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
1 EA	Classroom Lock	AUR 8808FL	626	(LO-3) Yale
1 EA	Core	1210	626	(CY-2) Yale
1 EA	Surface Closer	8501	689	(CL-1) Norton
1 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
1 EA	Wall Stop	403	US26D	(ST-1) Rockwood
1 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
3 EA	Silencer	608-RKW		(SI-1) Rockwood

Heading #: 9.0

1	SGL	Door: 110	Pilot's Area R111 From Bath R110	LHR	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

3 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
1 EA	Bathroom Lock	AUR 8862FL V21	626	(LO-2) Yale
1 EA	Surface Closer	8501	689	(CL-1) Norton
1 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
1 EA	Mop Plate	K1050 4" x 35" CSK	US32D	(KP-3) Rockwood
1 EA	Wall Stop	403	US26D	(ST-1) Rockwood
1 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
3 EA	Silencer	608-RKW		(SI-1) Rockwood
1 EA	Coat Hook	RM802	US32D	(OT-1) Rockwood

Heading #: 10.0

1	SGL	Door: 100C	Lobby R100 To Corridor R119	LH	90 °
1	SGL	Door: 111	Corridor R107 To Pilot's Area R111	LH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

4 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
2 EA	Hinge, Full Mortise	TA2714 QC12 4-1/2" x 4-1/2"	US26D	(HI-2) McKinney
2 EA	Electrified Mortise Lock	LC IDP NAC-82271-24v LNL BIKPS-0E SN200	US32D	(LO-1) Sargent
2 EA	Mortise Cylinder	2196	626	(CY-3) Yale
2 EA	Surface Closer	8501	689	(CL-1) Norton
2 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
2 EA	Wall Stop	403	US26D	(ST-1) Rockwood
2 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
6 EA	Silencer	608-RKW		(SI-1) Rockwood
2 EA	ElectroLynx Harness	QC-C012		(EA-2) McKinney
2 EA	ElectroLynx Harness	QC-C1500P		(EA-3) McKinney
2 EA	Power Supply	AQL4-R8E1		(PS-2) Securitron

Elevation and Point to Point as Specified. Electronic Operation: Valid card or code unlocks outside lever or key retracts latchbolt. Request to exit shows authorized egress. Free egress at all times. In case of power loss, door remains locked and closed. Lock included with card reader, door positioin switch and request to exit.

Heading #: 11.0

1	SGL	Door: 102	Corridor R107 To Mens RR R102	LH	90 °
1	SGL	Door: 103	Corridor R107 To Womens RR R103	LH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

6 EA	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	(HI-3) McKinney
2 EA	Door Pull	RM3300-13 Mtg-Type 1	US32D	(PP-2) Rockwood
2 EA	Push Plate	70C-RKW	US26D	(PP-3) Rockwood
2 EA	Surface Closer	8501	689	(CL-1) Norton
2 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
2 EA	Mop Plate	K1050 4" x 35" CSK	US32D	(KP-3) Rockwood
2 EA	Wall Stop	403	US26D	(ST-1) Rockwood
2 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
6 EA	Silencer	608-RKW		(SI-1) Rockwood

Heading #: 12.0

1	PRA/PRI	Door: 100A	Exterior From Lobby R100	RHRA/LHR	90 °
1	PRA/PRI	Door: 100B	Exterior From Lobby R100	RHRA/LHR	90 °

2-2' 11" x 7' 0" x 1 3/4" ALD/ALF

4 EA	Continuous Hinge	CFM83SLF PT		(HC-3) Pemko
4 EA	Electric Power Transfer	EL-CEPT	630	(PT-1) Securitron
2 EA	Mullion	L980S 86"	PC	(MU-1) Sargent
2 EA	Rim Exit Device Exit Only	TB 55 8810 EO	US32D	(ED-2) Sargent
2 EA	Rim Exit Device	LC TB 56 8804 ETL	US32D	(ED-1) Sargent
4 EA	Mortise Cylinder	2196	626	(CY-3) Yale
4 EA	Rim Cylinder	1193	626	(CY-4) Yale
4 EA	Pull	RM201 Mtg-Type 1XHD	US32D	(PP-1) Rockwood
4 EA	Surface Closer	CPS8501	689	(CL-2) Norton
2 EA	Threshold	252A x 72" MS25SS		(TH-2) Pemko
2 EA	Gasketing	5110BL 120"		(GA-3) Pemko
2 EA	Rain Guard	346C 76 x 0"		(GA-4) Pemko
4 EA	Sweep	3452CNB x 36"		(SW-1) Pemko
4 EA	ElectroLynx Harness	QC-C012		(EA-2) McKinney
4 EA	ElectroLynx Harness	QC-C1500P		(EA-3) McKinney
4 EA	Position Switch	DPS-M-BK		(EC-1) Securitron
2 EA	Power Supply	AQL4-R8E1		(PS-2) Securitron

Elevation and Point to Point as Specified. Electronic Operation: Valid card or code unlocks outside lever or key retracts latchbolt. Request to exit shows authorized egress. Free egress at all times. In case of power loss, door remains locked and closed. Lock included with card reader, door positioin switch and request to exit.

Door & Frame Schedule

Distributed By:

Engineered Openings, Inc.
192 Anderson Circle
Alto, GA 30510
Phone: (706) -77-7356
Fax: (706) -77-7535

Masonry Cased

Masonry Single

FRAME PROFILES

Drywall Single

Drywall Cased

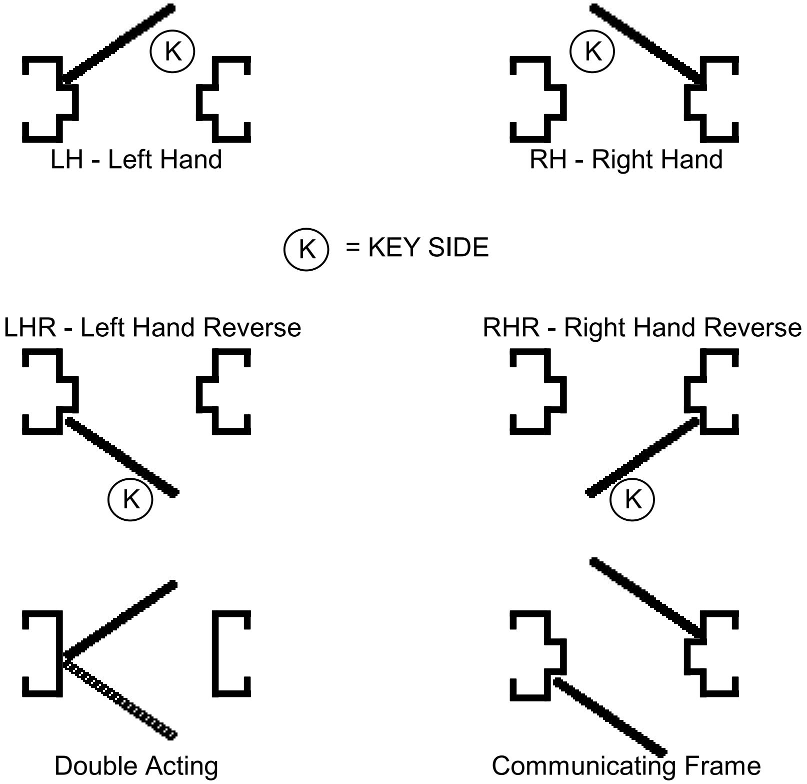
RECORD OF SUBMITTALS

SUBMITTED	RETURNED
1ST	
2ND	
3RD	
4TH	

RECEIVED APPROVED DRAWINGS	
RECEIVED APPROVED HARDWARE	

DRAWN BY: Jenny Aguilera

DOOR HANDING CHART


K
LH - Left Hand
K
RH - Right Hand
K = KEY SIDE
LHR - Left Hand Reverse
K
RHR - Right Hand Reverse
K
Double Acting
Communicating Frame

ARCHITECT JOB NO.
24-112

PROJECT
Jackson Co. Airport

LOCATION

ARCHITECT
Goodwyn Mills Cawood, LLC

CONTRACTOR
Sunbelt Builders

FINISH HARDWARE BY

SHEET NO. 1 OF 10

11/1/2024 2:48:07 PM

LEGEND

Hollow Metal Frame

Anchor

M	Masonry T (Loose)
MP	Multipurpose min 4-3/4" J.D. (Loose)

Construction

FW	Full Welded die miter corner

Elevation Type

3F	Three sided frame

Gauge

16	16 Gauge

Head Face

2"	2" Face Head

Jamb Face

2"	2" Face Jambs

Profile

M-EQ	Masonry - Equal rabbet
CK	Drywall-cased opening
CM-EQ	Drywall anchored frame - Equal rabbet

Steel Type

A60	A60 Galvannealed
CR	Cold Rolled

Hollow Metal Door

Edge

N	Seamless edge

Face Type

F	Flush
FG2	Full Glass 2-Metal Visions

Gauge

16	16 Gauge

Series

707	Polystyrene core

Steel Type

A60	A60 Galvanneal
CR	Cold rolled

Vision Kit

T2118	Type 2 window molding - 1-1/8" pocket for FG2

Wood Door

Bevel

3/3	Bevel BOTH Stile Edges

Core

5502	Particleboard Core

Face Type

F	Flush Door
HG	Half Glass Vision Lite

Finish

TBD	To be Determined

Moulding

VT1	Non-rated flush wood lite moulding

Series

VT	VT 5 PLY BONDED DOORS

Species

BCR	Oak - Red, Plain Sliced, Center Balance Match

Stile

MATCHING	MATCHING STILES

Opening Detail Short

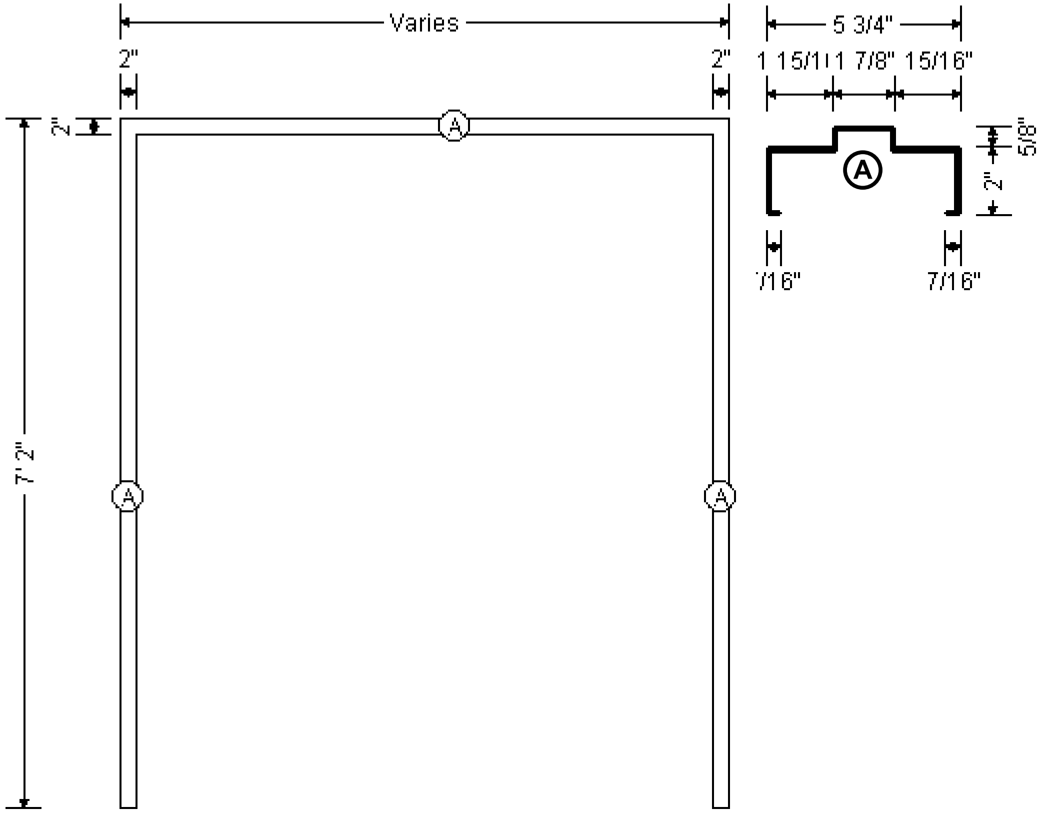
Project ID: 24-112 Jackson Co. Airport
Job Number: 24-112

Openings						Frames												Doors													Special Instructions	
Door #	Size	Location	Label	Hand	Thickness	Material	Qty	Jamb Depth	Profile	Jamb	Head Face	Ga \ Trim	S.T.	Anchor	Elevation	Elev. Sheet	Anchor Sheet	Material	Qty	Series	Edge	S.T. \ Specie Finish	Ga \ Face Type	Core		Elevation	Elev. Sheet	Exterior	Undercut	Astragal		Hdw Set #
100A	5' 10" x 7' 0"	Exterior From Lobby R100		RHRA/LHR	1 3/4"	ALF	1											ALD	1									X				12.0
																		ALD	1									X				
100B	5' 10" x 7' 0"	Exterior From Lobby R100		RHRA/LHR	1 3/4"	ALF	1											ALD	1									X				12.0
																		ALD	1									X				
100C	3' 0" x 7' 0"	Lobby R100 To Corridor R119		LH	1 3/4"	HMF	1	8 1/4"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					10.0
102	3' 0" x 7' 0"	Corridor R107 To Mens RR R102		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					11.0
103	3' 0" x 7' 0"	Corridor R107 To Womens RR R103		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					11.0
104	3' 0" x 7' 0"	Corridor R107 From Janitor R104		RHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					6.0
105	3' 0" x 7' 0"	Cased Opening		NH	1 3/4"	HMF	1	5 7/8"	CK	2"	2"	16	CR	MP	F5	F5		None	1													
106A	3' 0" x 7' 0"	Corridor R107 To Collaboration Room R106		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					4.0
106B	6' 0" x 7' 0"	Exterior From Collaboration Room R106		RHRA/LHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	A60	16			FG2	FG2	X				1.0
																F1		HMD	1	707	N	A60	16			FG2	FG2	X				
106C	6' 0" x 7' 0"	Exterior From Collaboration Room R106		RHRA/LHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	A60	16			FG2	FG2	X				1.0
																F1		HMD	1	707	N	A60	16			FG2	FG2	X				
108	3' 0" x 7' 0"	Collaboration Room R106 To Supply R108		RH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					6.0
109	3' 0" x 7' 0"	Exterior From Mechanical R109		RHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	A60	16			F	F	X				2.0
110	3' 0" x 7' 0"	Pilot's Area R111 From Bath R110		LHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					9.0
111	3' 0" x 7' 0"	Corridor R107 To Pilot's Area R111		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					10.0
112A	3' 0" x 7' 0"	Cased Opening		NH	1 3/4"	HMF	1	5 7/8"	CK	2"	2"	16	CR	MP	F5	F5		None	1													
113	3' 0" x 7' 0"	Corridor R107 To Elect Data R113		RH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					6.0

Opening Detail Short

Project ID: 24-112 Jackson Co. Airport
Job Number: 24-112

Openings						Frames												Doors													Special Instructions	
Door #	**Size**	**Location**	**Label**	**Hand**	**Thickness**	**Material**	**Qty**	**Jamb Depth**	**Profile**	**Jamb**	**Head Face**	**Ga \ Trim**	**S.T.**	**Anchor**	**Elevation**	**Elev. Sheet**	**Anchor Sheet**	**Material**	**Qty**	**Series**	**Edge**	**S.T. \ Specie Finish**	**Ga \ Face Type**	**Core**		**Elevation**	**Elev. Sheet**	**Exterior**	**Undercut**	**Astragal**		**Hdw Set #**
114	3' 0" x 7' 0"	Corridor R119 To F.B.O R114		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					8.0
115	3' 0" x 7' 0"	Directors Office R116 From Stor. R115		RHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					5.0
116	3' 0" x 7' 0"	Corridor R119 To Directors Office R116		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					7.0
117A	3' 0" x 7' 0"	Corridor R119 To Lineman Office R117		RH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					7.0
117B	3' 0" x 7' 0"	Exterior From Lineman Office R117		LHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	A60	16			F	F	X				2.0
118	3' 0" x 7' 0"	Lineman Office R117 From Stor. R118		LHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					5.0
119	3' 0" x 7' 0"	Exterior From Corridor R119		RHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	CR	16			F	F					2.0
120	3' 0" x 7' 0"	Office R121 From Stor. R120		RHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					5.0
121	3' 0" x 7' 0"	Corridor R119 To Office R121		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					7.0
122	3' 0" x 7' 0"	Corridor R119 To Office R122		RH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					7.0
123	3' 0" x 7' 0"	Office R122 From Stor. R123		LHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					5.0
124	3' 7/8" x 6' 9 3/4"	Lobby R100 From Visitors Office R124		LHR	1 3/4"	ALF	1											ALD	1													3.0


Varies
2"
2"
2"
7' 2"
A
A
A
5 3/4"
1 15/1
1 7/8"
15/16"
5/8"
2"
A
/16"
7/16"

F1

Doors #s:
100C (3' 0" x 7' 0"),
102 (3' 0" x 7' 0"),
103 (3' 0" x 7' 0"),
104 (3' 0" x 7' 0"),
106A (3' 0" x 7' 0"),
106B (6' 0" x 7' 0"),
106C (6' 0" x 7' 0"),
108 (3' 0" x 7' 0"),
109 (3' 0" x 7' 0"),
110 (3' 0" x 7' 0"),
111 (3' 0" x 7' 0"),
113 (3' 0" x 7' 0"),
114 (3' 0" x 7' 0"),
115 (3' 0" x 7' 0"),
116 (3' 0" x 7' 0"),
117A (3' 0" x 7' 0"),
117B (3' 0" x 7' 0"),
118 (3' 0" x 7' 0"),
119 (3' 0" x 7' 0"),
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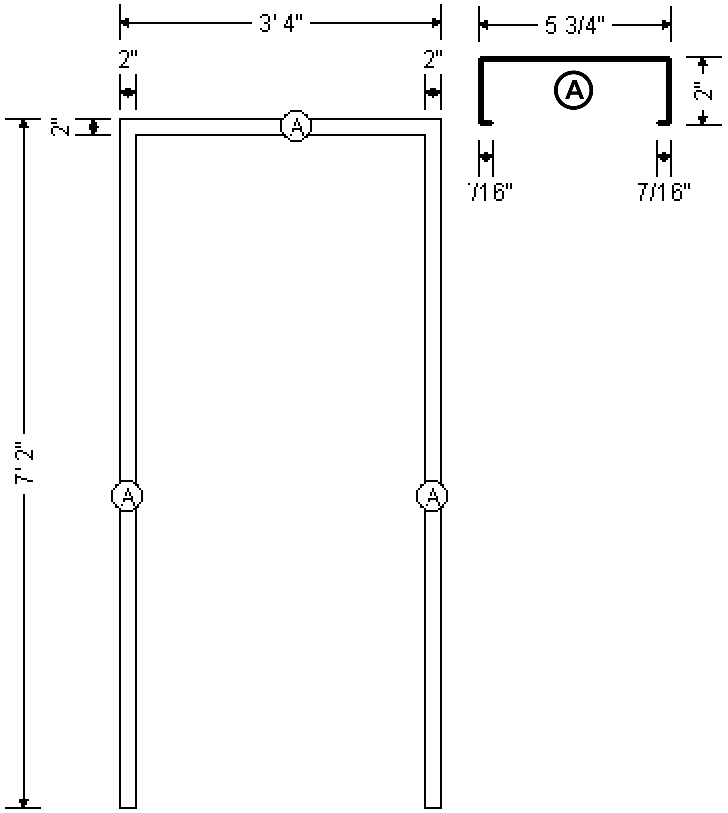
122 (3' 0" x 7' 0"),
123 (3' 0" x 7' 0"),

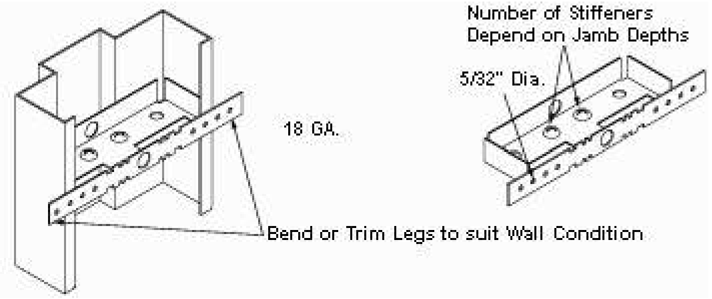

3' 4"
2"
2"
2"
7' 2"
A
A
A
5 3/4"
A
2"
7/16"
7/16"

F5

Doors #s:
105 (3' 0" x 7' 0"), 112A (3' 0" x 7' 0"),

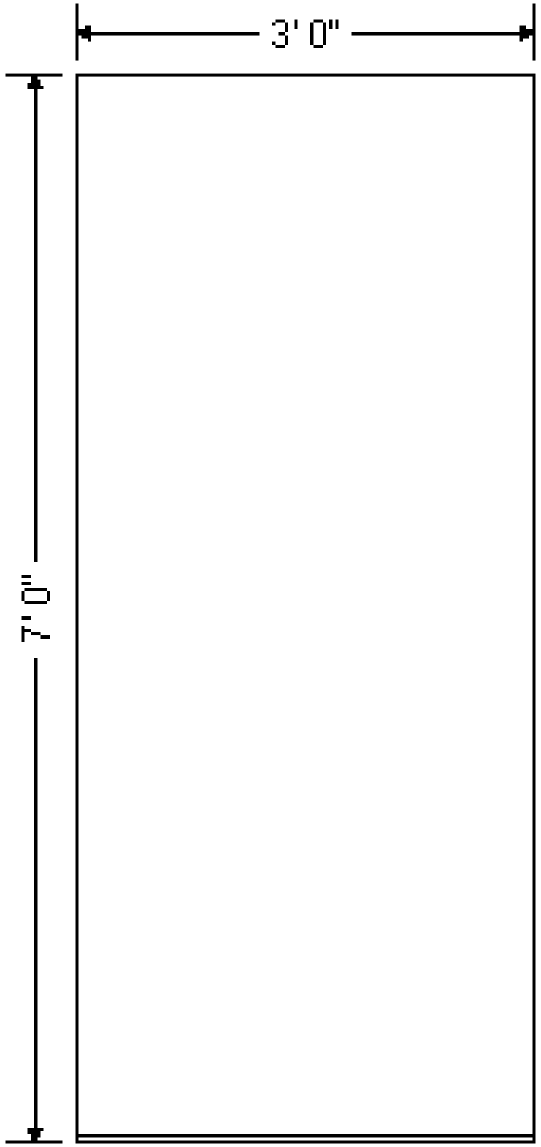
Project: Jackson Co. Airport	
11/1/2024 2:48:10 PM	Page 6 of 10

ANCHORS

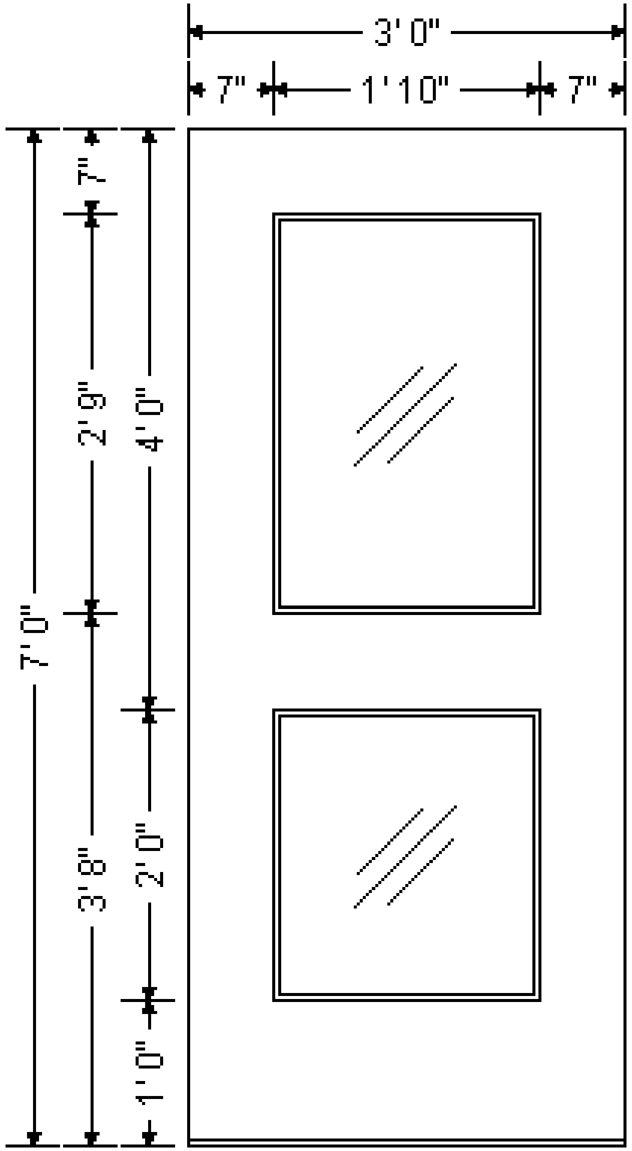

Number of Stiffeners
Depend on Jamb Depths
5/32" Dia.
18 GA.
Bend or Trim Legs to suit Wall Condition

Multi-Purpose

Project: Jackson Co. Airport	
11/1/2024 2:48:10 PM	Page 7 of 10



F


3' 0"
7"
1' 10"
7"
7"
2' 9"
3' 8"
4' 0"
2' 0"
1' 0"
7' 0"

FG2

Project: Jackson Co. Airport

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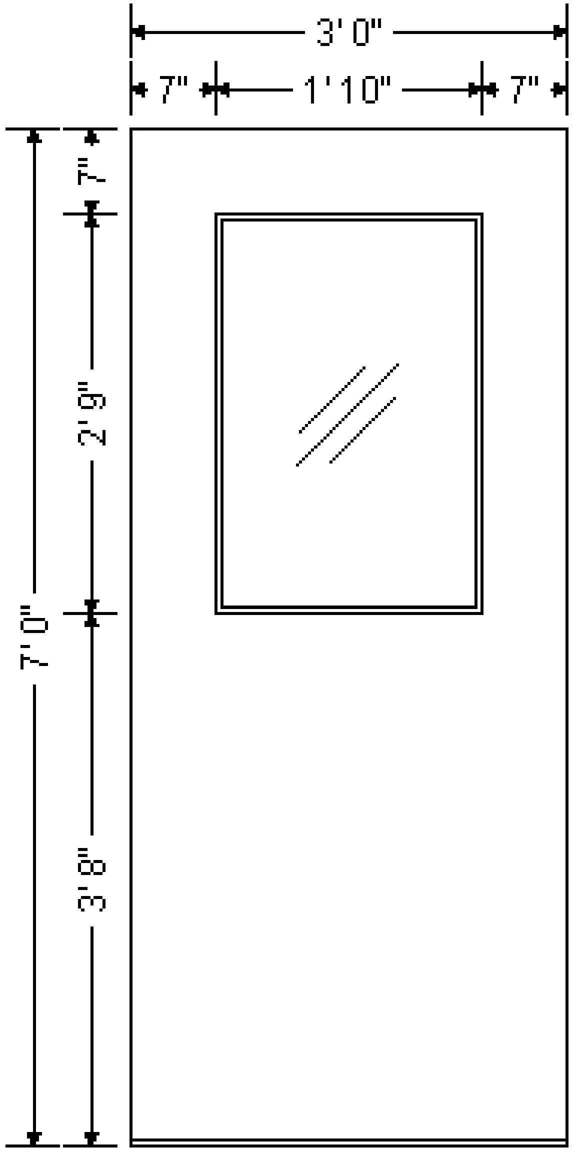
3' 0"
7"
1' 10"
7"
7"
2' 9"
7' 0"
3' 8"

HG

Project: Jackson Co. Airport

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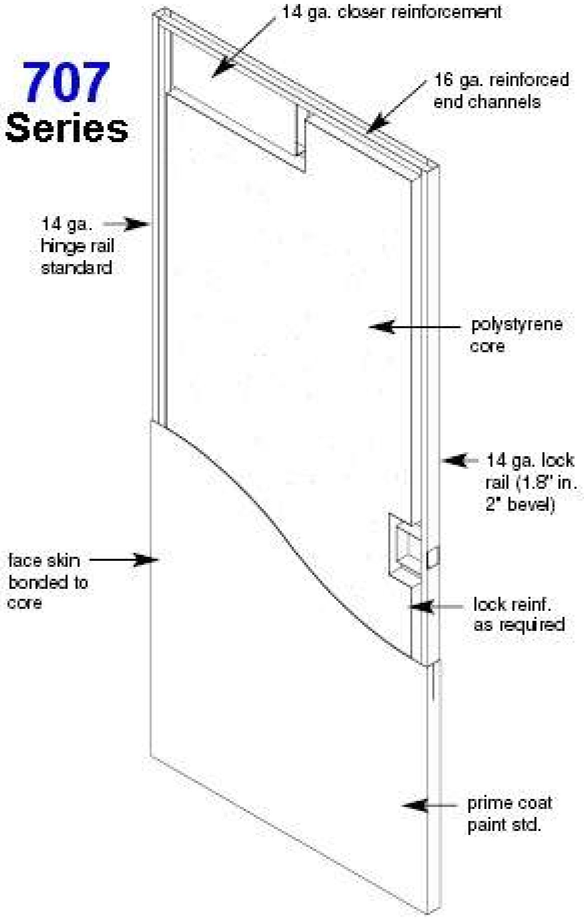
DOOR SERIES

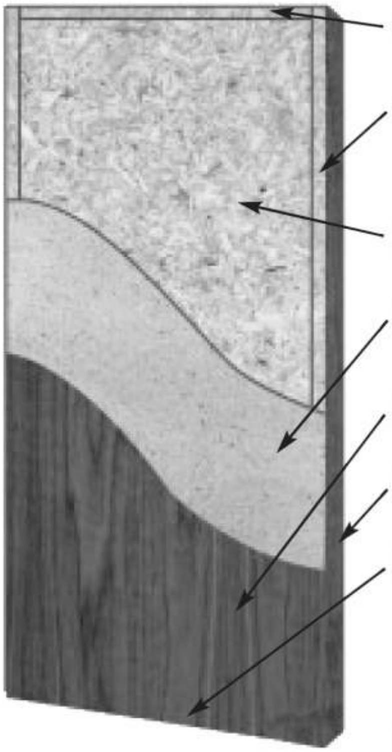

707
Series
14 ga. closer reinforcement
16 ga. reinforced end channels
14 ga. hinge rail standard
polystyrene core
14 ga. lock rail (1.8" in. 2" bevel)
face skin bonded to core
lock reinf. as required
prime coat paint std.

Polystyrene Core

Architectural Wood Doors
INDUSTRIES

WOOD VENEER
BONDED PARTICLEBOARD CORE
5-PLY CONSTRUCTION
NON-RATED OR 20-MINUTE

5502
VT Door Type
PC-5
(Interior use only)



■ **TOP RAIL:**
1-3/8" Structural Composite Lumber (SCL)

■ **VERTICAL STILES:**
1-3/8" Structural Composite Lumber (SCL) with matching hardwood edge
Crossbands concealed at edge

■ **CORE:**
Particleboard, ANSI A208.1, grade 1-LD-2, 28-32#/cu. ft.

■ **CROSSBANDS:**
High Density Fiber (HDF)

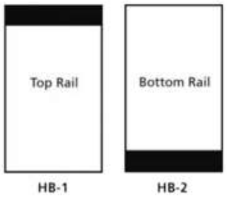
■ **FACES:**
"A" grade wood veneer, unless otherwise specified

■ **FINISHED THICKNESS:**
1-3/4" (± 1/16")

■ **BOTTOM RAIL:**
1-3/8" Structural Composite Lumber (SCL)

All dimensions shown are nominal before sanding, trimming and prefitting within industry standards. Specifications may be changed at manufacturer's option. Prefit and stock sizes available.

Blocking Reinforcement Options: available at additional cost for undercutting and specialized hardware. Blocking recommended for Extra Heavy Duty Doors using surface mounted hardware.



WDMA PREMIUM GRADE EXTRA HEAVY DUTY DOOR

DOOR FEATURES:

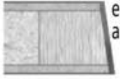
Finish Type: Permaguard™ WDMA TR-6 or OP-6 Factory Finish available

Veneer Match: Book match standard. Slip or random available if specified.

Veneer Face Assembly: Running match standard. Center or balanced available if specified.

Pairs and Sets: Pair match, set match available

Doors/Transoms: Door and transom match



Vertical Edges: (visible surface) Matching hardwood finished at factory (-2) with edge-before-face construction. Optional edges are: unfinished (-1) and stiles primed at factory (-9).

Cutouts: 3-5/16" minimum distance between lite and lock cutout and 5" minimum distance from door edge.

Standard Bevel: 1/8" in 2"

Clearances: 1/8" top, 1/8" lock and hinge stiles. See NFPA-80 1-11.4, 1999 edition, for bottom clearances.

Security Rating: Class 40 (highest rating possible)

DOOR STANDARDS:

- ANSI/WDMA I.S. 1-A and AWI Section 1300 Quality Standards (Bonded Core).

- Top and bottom rails of door shall be factory sealed.

- Doors shall be clad in WDMA premium "A" grade wood veneer with minimum thickness 1/42" before sanding. Both domestic and exotic hardwood species available for transparent finish. Mill option face material for opaque finish.

- Neutral pressure 20-minute Intertek/Warnock Hersey fire labels shall be available within size and usage limitations. Fire-rated doors must use approved lite frames. Louvers are prohibited in 20-minute fire doors. Neutral pressure must be noted at time of bid.

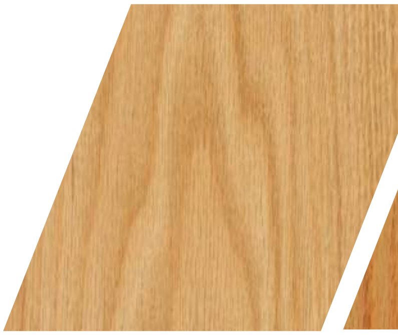
- Positive pressure fire label is available on 20-minute single doors going into welded or knockdown steel frames. Surface-applied smoke gasketing, such as Pemko S88, must be applied to frame to achieve "S" rating (gasketing to be supplied by others). Listed & labeled steel lite frames must be used for lite openings. Positive pressure must be noted at time of bid.

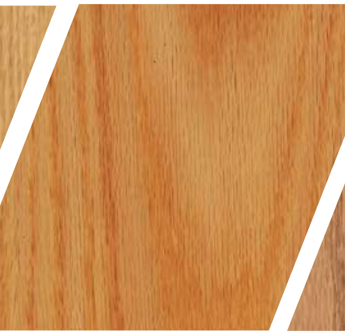
- Cutouts for vision panels and louvers shall be made at the factory and shall be of sizes and locations as indicated on the drawings. Factory finished wood glazing stops or beige powder coated steel lite frames shall be furnished for lite openings unless otherwise specified. Steel lite frames may be veneer-wrapped at additional cost.

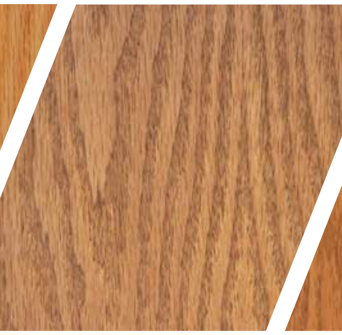
- Hardware preparation: All cutouts for mortise hardware shall be made at the factory from hardware manufacturer's templates and approved shop drawings.

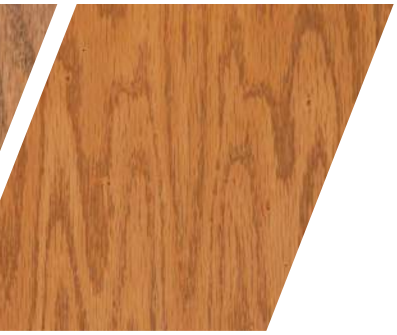
- Doors shall be individually poly-bagged for protection in transit and storage periods, and shall be marked as per tag openings on shop drawings.

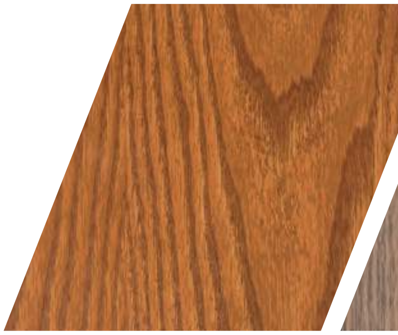
RED OAK

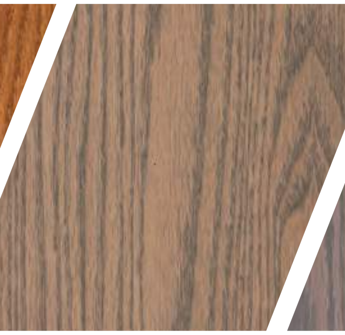

Clear CL18

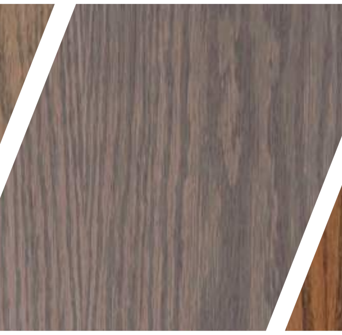

Serengeti SE18

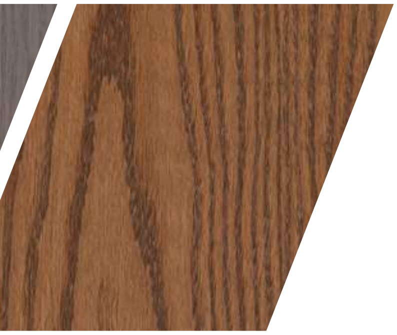

Wheat WH18

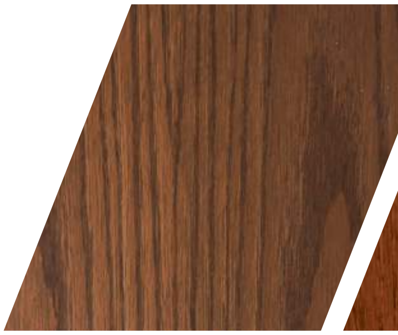

Alpine AL18

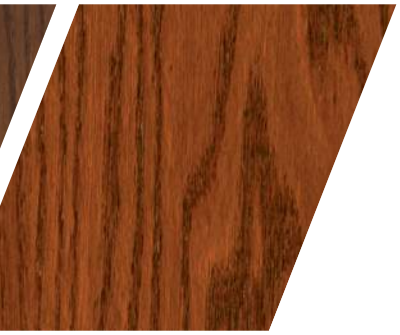

Toffee TF24

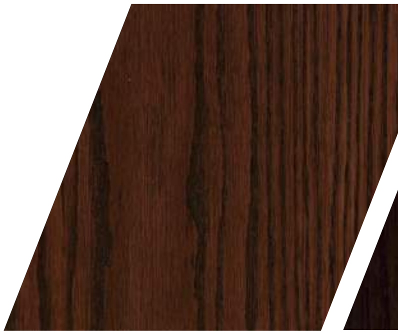

Riverstone RI18

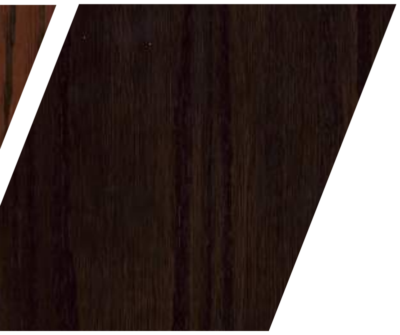

Umber UM24


Ravine RA18


Mocha MA24


Savanna SA18


Chocolate CH18


Onyx ON18

Red Oak Veneer
Ravine Finish

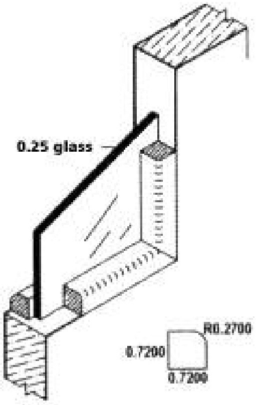
STANDARD LITE MOULDINGS

Heritage Collection Only

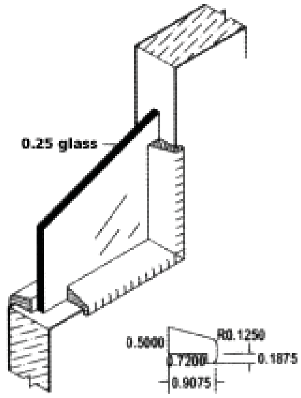
Non-Rated Doors

Flush wood lite mouldings (also known as stops, or beads) have one side fixed into place with brads at the factory. The other side is temporarily tacked into place so glass and glazing can be installed at the jobsite. Field fitting of glass and glazing is the responsibility of the installer. Use of a glazing compound or caulking is recommended to reduce glass rattle. All VT profiles have a tolerance of ± 0.005. Factory installed glazing is available upon customer request.

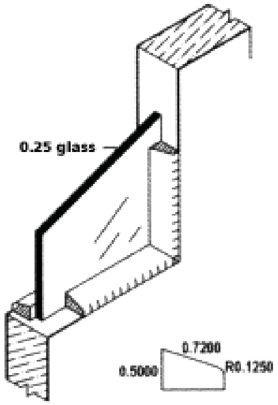
Standard wood stop materials are as follows: Doors with laminate faces will use poplar stops. Doors with wood veneer faces will have stops that match the face veneer.


0.25 glass
R0.2700
0.7200
0.7200

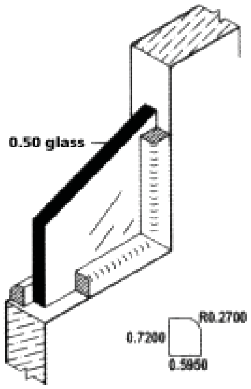
VT1


0.25 glass
0.5000
R0.1250
0.7200
0.1875
0.9075

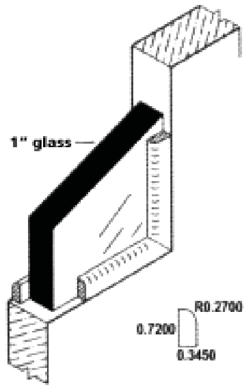
VT3


0.25 glass
0.7200
0.5000
R0.1250

VT7


0.50 glass
R0.2700
0.7200
0.5950

VT9


1" glass
R0.2700
0.7200
0.3450

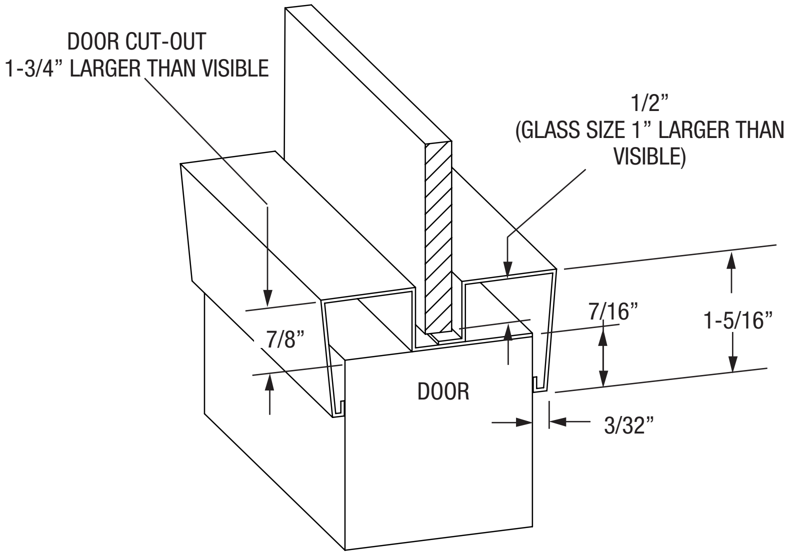
VT15

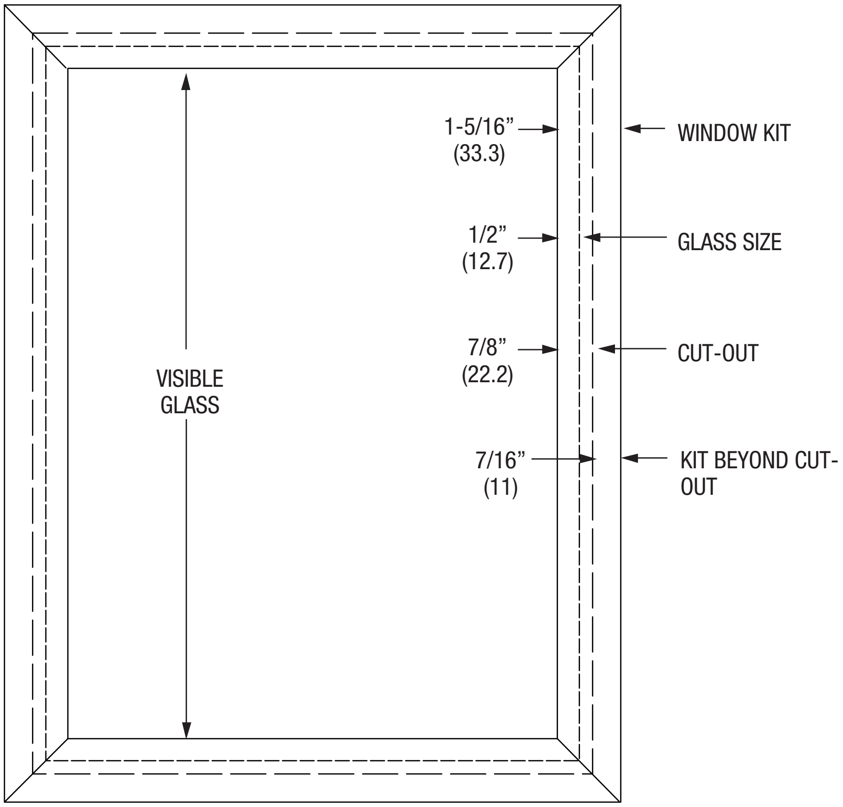
Notes:

- For acoustical lite kits, refer to Acoustical Doors information in your Order Process Guide.
- Refer to Product Update #P104F for more details.
- VT wood stops available for glass thicknesses other than noted above, please specify glass thickness on quote request or order. Contact your Customer Service Representative for questions or additional information.

Type 1 & 2 Window Moulding

Ⓛ


DOOR CUT-OUT
1-3/4" LARGER THAN VISIBLE
1/2"
(GLASS SIZE 1" LARGER THAN
VISIBLE)
7/16"
1-5/16"
7/8"
DOOR
3/32"


1-5/16"
(33.3)
WINDOW KIT
1/2"
(12.7)
GLASS SIZE
7/8"
(22.2)
CUT-OUT
VISIBLE
GLASS
7/16"
(11)
KIT BEYOND CUT-
OUT

Five Knuckle Standard Weight Series

Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 28

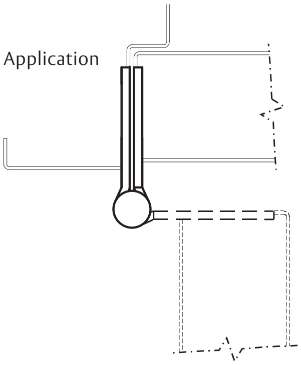
TA2314
TA2714

No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD

Specifications

				Fasteners	
Inches	mm	Gauge	No. of Holes	Machine	Wood
3½" x 3½"*	88.9 x 88.9	.123	6	½ x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	½ x 12-24	1¼ x 12
4½" x 4"	114.3 x 101.6	.134	8	½ x 12-24	1¼ x 12
4½" x 4½"	114.3 x 114.3	.134	8	½ x 12-24	1¼ x 12
5" x 4½"*	127 x 114.3	.146	8	½ x 12-24	1¼ x 12
5" x 5"*	127 x 127	.146	8	½ x 12-24	1¼ x 12
6" x 6"*	152.4 x 152.4	.160	10	½ x ¼-20	1½ x 14

* Not available in Brass base material.



Options:

Code	Description
NRP	Non-Removable Pin
TB	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – ¼" radius furnished unless specified otherwise
HT	Hospital Tip
BT	Ball Tip
FT	Flat Tip*

Code	Description
GT	Grooved Tip*
LT	Lined Tip*
RT	Round Tip*
ST	Steeple Tip
SSF	Safety Stud Feature
CC	Concealed Circuit – 4, 8, or 12 wire available

Code	Description
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring
QC	ElectroLynx® Hinge – 4, 8 or 12 wire available

*Not available on 3-1/2" and 6" sizes

McKinney Hinge Pin Door Stop

- Recommended for high-use or high impact doors with McKinney T2714 or TA2714 hinges
- Protects against damage to doors and walls
- Runs the full length of the hinge

Part number	Description	Finish
76305	Hinge Pin Stop for MacPro MP79 & MPB79	26D
76306	Hinge Pin Stop for McKinney T2714 & TA2714	26D

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800-346-7707 | www.assaabloydooraccessories.us
Check the web site for the up-to-date catalog

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Five Knuckle Heavy Weight Full Mortise Series

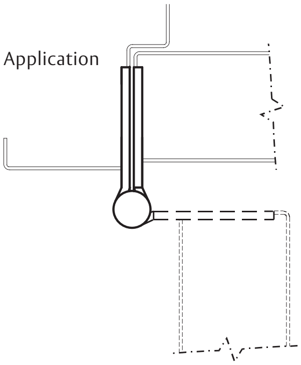
Recommended for use on high frequency and/or heavy wood or metal doors in schools, hospitals or other public buildings where heavy traffic is experienced.

- Heavy weight hinges should be used on all extra heavy doors or those exposed to high frequency use
- T4A3386- Stainless steel base or available in brass base material polished
- T4A3786- Steel base material
- For Beveled Edge, where doors are beveled on hinge side, specify T4A4386 or T4A4786
- For available finishes see page 28

Note: 8" x 6" and 8" x 8" have six bearings. Specify T6B3386 or T6B3786.

T4A3386

T4A3786



No.	ANSI Cross Reference	Base Material	Weight
T4A3386	A5111	Stainless	HVY
T4A3386	A2111	Brass	HVY
T4A3786	A8111	Steel	HVY

Specifications

			No. of	Fasteners	
Inches	mm	Gauge	Holes	Machine	Wood
4$^{1}/_{2}$" x 4"	114.3 x 101.6	.180	8	$^{1}/_{2}$ x 12-24	1$^{1}/_{4}$ x 12
4$^{1}/_{2}$" x 4$^{1}/_{2}$"	114.3 x 114.3	.180	8	$^{1}/_{2}$ x 12-24	1$^{1}/_{4}$ x 12
5" x 4$^{1}/_{2}$"	127 x 114.3	.190	8	$^{1}/_{2}$ x 12-24	1$^{1}/_{4}$ x 12
5" x 5"*	127 x 127	.190	8	$^{1}/_{2}$ x 12-24	1$^{1}/_{4}$ x 12
6" x 5"*	152.4 x 127	.203	10	$^{1}/_{2}$ x $^{1}/_{4}$-20	1$^{1}/_{2}$ x 14
6" x 6"*	152.4 x 152.4	.203	10	$^{1}/_{2}$ x $^{1}/_{4}$-20	1$^{1}/_{2}$ x 14
8" x 6"**	203.2 x 125.4	.203	16	$^{1}/_{2}$ x $^{1}/_{4}$-20	1$^{1}/_{2}$x 14
8" x 8"***	203.2 x 203.2	.203	16	$^{1}/_{2}$ x $^{1}/_{4}$-20	1$^{1}/_{2}$ x 14

* Not available in brass base material.
** Available in steel only.
***Available in stainless steel only.
****FT tips not offered on 6" and 8" sizes, BT and ST not offered on 8" sizes.

Options:

Code	Description
NRP	Non-Removable Pin
T4B	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – $^{1}/_{4}$" radius furnished unless specified otherwise
HT	Hospital Tip
BT****	Ball Tip
FT ****	Flat Tip
ST****	Steeple Tip
SSF	Safety Stud Feature
RB	Raised Barrel*
QC	ElectroLynx® Hinge – 4, 8 or 12 wire available
CC	Concealed Circuit – 4, 8 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

* Refer to page SP-3 for Raised Barrel.

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ElectroLynx® Hinge (QC option)

Each hinge features concealed plug connectors that eliminate the need for separate or exposed wiring. Standard connectors make installation quick and simple. Brass eyelets add protection and durability.

- The QC option is available on standard and heavy weight full mortise bearing hinges as well as swing clear and wide throw hinges
- Electric hinges allow a constant flow of current from the power source through the hinge to electrified door hardware. No external wires can be seen, eliminating tampering and improving the aesthetics of the door opening
- Materials: brass, stainless steel, and steel
- For 4 amp continuous @ 24 volts AC or DC per circuit, 28 gauge multi-strand wires are used.
- An 8 position connector is used for QC4 and QC8 wire hinges. An 8 position and a 4 position connector is used for QC12 wire hinges.
- Hand of hinge must be specified on two knuckle hinges
- Can be used in conjunction with MM option on most full mortise hinges. QC12 x MM not recommended for wood or solid core doors
- Full Mortise QC hinges are available in most BHMA and McKinney powder coat finishes
- Wires are coordinated to work with other ASSA ABLOY Group brands electro-mechanical hardware

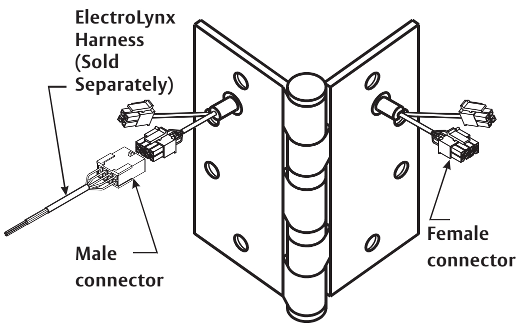
*Electric hinges should be installed in the center position on the door. Installation instructions are packed with each hinge.

*Hinges are factory tested and specially packaged to minimize against damage during shipment.

QC-12

c UL us LISTED

Application



Back of 12 wire hinge shown

3-Knuckle	5-Knuckle
TA314	TA2314
TA714	TA2714
TA386	T4A3386
TA786	T4A3786
	TA2895
	T4A3395
	T4A3795

Most hinges including this Swing Clear Hinge can be electrically modified. Call 1-800-346-7707 for more information.

Options:

Code	Description
QC4	2 circuits
QC8	4 circuits
QC12	6 circuits

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What is PemkoHinge®?

PemkoHinge® consists of two full-height, paired and geared leaves. Each geared leaf rotates evenly from top to bottom riding on proprietary polymer blended bearings. The geared leaves and bearings are held together by a full-length channel cap. This assembly retains the smooth, clean lines of the door and frame, while easily supporting heavy vertical loads.

PemkoHinge®

SECURITY, SAFETY, PRIVACY, LOW WEAR AND TEAR

PemkoHinge® Attributes:

- With a continuous hinge, typical alignment problems (such as door sag and binding) are eliminated
- The continuous hinge distributes load stress uniformly along the full length of the door and frame
- The gear design of the continuous hinge ensures symmetrical operation of each leaf
- $^{1}/_{2}$ lb. or less operating force required to operate most doors, regardless of size
- Low operating force feature makes continuous hinges ideal for doors used by the physically challenged
- The continuous hinge, when installed on standard steel doors and frames, requires no additional reinforcement. However, hinge preps must have fillers installed for proper operation
- A high degree of security can be achieved for exterior openings or restricted spaces by using a continuous hinge. With the geared construction and the full-length channel cap, the common gap between the door and frame is sealed, which provides security against prying
- In addition, the continuous full-height hinge cap protects against pinching fingers in doors in public areas, particularly those where children are present
- Sight proof design of the continuous hinge provides privacy for lavatories, executive offices, or file rooms

PemkoHinge® Superior Design:

- PemkoHinge® has increased critical stress points of the hinge leaf extrusions providing additional strengths and rigidity to the completed product
- PemkoHinge® bearing design eliminates premature wear, guarantees proper alignment, and requires fewer bearings to carry more weight. The bearing is produced for Pemko using a chemical composition and injection process that provides a stronger, more accurately formed bearing
- PemkoHinge® is designed with inter-meshing gear segments in the hinge which provide 50% more bearing surface resulting in less wear
- PemkoHinge® goes through the anodizing process after completing all machining. This means the machined aluminum surfaces that are in direct contact with the bearing have a smoother, harder surface, thereby reducing wear
- PemkoHinge® maintains uniform bearing spacing for the full length of the hinge even when lengths exceed 10'
- Pemko uses self drilling No.12-24 x 11/16" Flat Head Undercut, Type C, thread-forming fasteners, no tapping required
- PemkoHinge® commercial models are ideal for use on lead lined doors (i.e. hospital X-ray rooms), without requiring special screw locations

How To Order (Hinge Part Designations)

Example: D| SPFM | 85 | SLI | HD1

FINISHES		HINGE TYPES		LENGTHS	HINGE OPTIONS		CAPACITY	
BL	Black Anodized	FM	Full-Mortise	79	"blank"	Standard	"blank"	Standard Duty
BSP	Black Suede Powder Coat*	FS	Full-Surface	83	CP	Center Pivot	HD1	Heavy Duty, Grade 1
C	Clear Anodized	HS	Half-Surface	85	RG	Raised Gear	HD3	Heavy Duty, Grade 3
D	Dark Bronze Anodized	RS138	Full-Mortise Residential: 1$^{3}/_{8}$"	95	SF	Safety		
G	Gold Powder Coat	RS175	Full-Mortise Residential: 1$^{3}/_{4}$"	120	SL	Short Leaf (residential only)		
SN	Satin Nickel Powder Coat	SPFM	Special Full-Mortise		SLF	Short Leaf Flush		
WSP	White Suede Powder Coat *	WT_FM	Wide Throw Full-Mortise		SLI	Short Leaf Inset		
10BE	Satin Bronze Powder Coat *	WT_HS	Half-Surface					

**Only available on select profiles*

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BHMA Certification Program

This program was developed to establish product classifications through performance testing. Three grades (1, 2 and 3) of product classifications were established for continuous hinges, with three weight groups (150, 300 and 600) for each grade: Grade 3 being the lowest and Grade 1 being the highest classification. Each classification and weight group has a set of established cycle requirements and wear characteristics, with a minimum for vertical and lateral wear to establish a listing under a weight and grade classification, after the set number of cycles is completed.

Maximum Vertical Wear Allowable:

Grade 3 = 0.105"

Grade 2 = 0.030"

Grade 1 = 0.020"

Maximum Lateral Wear Allowable:

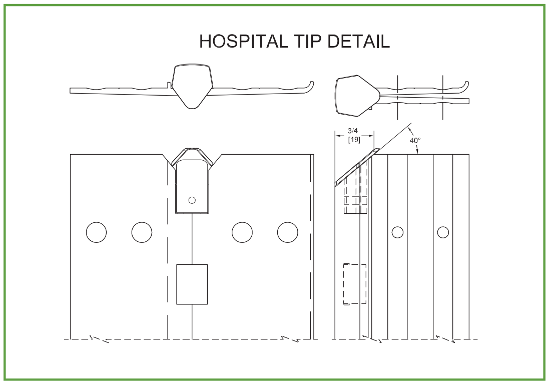
All Grades = 0.062"

Cycle requirements range from Grade 3-600 requiring 100,000 cycles through Grade 1-150 requiring 2.5 million cycles.

For more information on certification testing or other product certification programs, please contact Pemko Customer Service.

Hospital Tip

A special modification is available for certain hinges which provides a Hospital Tip Cap at the top of the gear cap, leaving no opening. A 45° angled cut on the gear cap and leaf covers provides a safe environment for hospitals and correctional facilities.



Cycle Requirements - *Per BHMA Standard ANSI/BHMA A156.26-2012*

- Standard Duty Hinges (excluding _RS175 & _RS138) conform to Grade 3-150 and Grade 3-300
- HD3 Hinges conform to Grade 3-150, Grade 3-300, and Grade 3-600
- HD1 Hinges conform to Grade 2-150, Grade 1-300, and Grade 1-600
- 1100 Series and X-Series Hinges conform to Grade 1-150

Weight Bearing - *Per BHMA Standard ANSI/BHMA A156.26-2012*

- This information pertains to all commercial models
- Heavier weight can be carried; please contact Customer Service for applications other than those listed in the chart
- Special hinge reinforcements are not required as hollow metal door and frame manufacturers' standard are acceptable. Removal of hinge reinforcements in the door and frame is not advised. Hinge preps must have fillers installed

UL Fire Labeled 1½ & 3 Hour

LISTED DOOR HINGE 76Y2

- All models designated with these symbols are tested and certified by Underwriters Laboratories Inc.® (U.S.A. and Canada) to standards UL10B, UL10C and UBC7.2 (positive pressure) for a 1½-Hour Fire Listing for all 4'0" x 10'0" and 8'0" x 10'0" door and frame assemblies. Fire listing certifications apply to all approved hollow metal and wood door assemblies in drywall or masonry wall construction
- Special FirePins™ are only required on 3-Hour assemblies. Please refer to page 95 for illustrations and information regarding the application of Pemko FirePins™

- All hinges are supplied with standard fastener kits. Replacement kits/individual fasteners may be purchased separately
- Particle Board/TORX fasteners may be purchased separately. Full-mortise hinges require 40 each; half-surface hinges require 20 each; full-surface hinges require 12 each
- All half-surface and full-surface hinges are supplied with a snap cover for the door leaf. Replacement snap covers may be purchased separately

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FULL MORTISE HINGES

- Full-Mortise units are designed mainly for new door applications and are applied to the frame rabbet and door edge to conceal both leaves

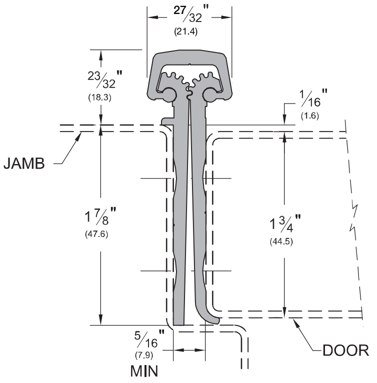
Full Mortise

_FM

STANDARD FINISHES: **BSP, C, D, SN, WSP, 10BE**

10C BHMA CERTIFIED c UL us LISTED DOOR HINGE 76Y2

Evaluated in accordance with TAS201-94, TAS202-94, TAS203-94, ASTM E330, ASTM E1886, ASTM E1996, and ANSI A250.13 (includes PemKonnect version)



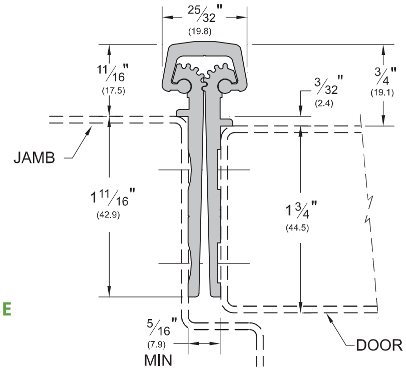
Modular Hinge Option

- Hinge is provided in 2 or 3 segments depending on length
- Hinges are packed in a shorter box and are easier to ship, transport, and store than traditional continuous hinges
- Available for select models, see price book for model availability

---

Full Mortise Short Leaf Inset

- Designed for use with doors which range between 1¾" to 2¼"
- Designed for use with hollow metal doors and frames where the inset conforms to S.D.I. specifications for aligning doors and frames



Evaluated in accordance with TAS201-94, TAS202-94, TAS203-94, ASTM E330, ASTM E1886, ASTM E1996, and ANSI A250.13

_FM_SLI

STANDARD FINISHES: **BSP, C, D, SN, WSP, 10BE**

10C BHMA CERTIFIED c UL us LISTED DOOR HINGE 76Y2

Full Mortise Short Leaf Flush

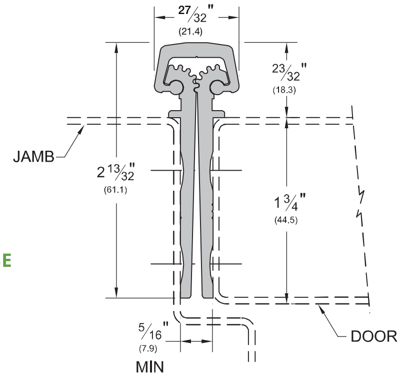
- Designed for use with doors which range between 1¾" to 2¼"
- Also used for bifold applications to keep the faces of the doors flush (not illustrated)

_FM_SLF

STANDARD FINISHES: **BSP, C, D, SN, WSP, 10BE**

10C BHMA CERTIFIED c UL us LISTED DOOR HINGE 76Y2

Evaluated in accordance with TAS201-94, TAS202-94, TAS203-94, ASTM E330, ASTM E1886, ASTM E1996, and ANSI A250.13 (includes PemKonnect version)



Modular Hinge Option

- Hinge is provided in 2 or 3 segments depending on length
- Hinges are packed in a shorter box and are easier to ship, transport, and store than traditional continuous hinges
- Available for select models, see price book for model availability

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **BSP** (Black Suede Powder Coated Aluminum) **C** (Clear Anodized)
D (Dark Bronze Anodized) **SN** (Satin Nickel Powder Coated Aluminum) **WSP** (White Suede Powder Coated Aluminum)

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PEMKO
ASSA ABLOY

Experience a safer
and more open world

ELECTRICALLY MODIFIED CONTINUOUS GEARED HINGES

Electrical Modifications

- Pemko has vastly improved the cycle performance of the electrically modified hinge. Performance testing has shown that 3,000,000+ cycles can now be achieved using Pemko's exclusive polyurethane-coated 4, 8, or 12 TRI-FLEX titanium copper alloy cables. Each cable is capable of carrying 6 amps continuous or 16 amps in-rush @ 24-volts for 820 milliseconds. When ordering, please use the "shorthand code" shown in the chart page 82. For example, if you require a Clear Anodized standard Full-Mortise hinge at 83" with Quick Connect transfer - 4-wire, modified 36$\frac{1}{4}$" from the top, right hand, you would order a CFM83 with QC4 at 36$\frac{1}{4}$" from top - RH

Options for Electrically Modified Continuous Geared Hinges

These options allow variable degrees of service to be performed at the specific locations of the current carrying cables by installing a serviceable/removable hinge which includes a removable module (SER), or installing a hinge with a pivoting accessible feature (ACC).

- Both options (SER & ACC) are available in 4 Wire (QC4), 8 Wire (QC8), 12 Wire (QC12) variants
- Available on FM, FS, HS, KFM, SLF, SLI, XF, XI, XK, XM, X25M Models

Serviceable/Removable (SER) Module

The hinge is furnished to be installed in three sections allowing the current carrying cable to be serviced or replaced without removing the door from the frame. Additionally, the SER option allows the current carrying cables to be safely stored or delivered to the electrician or security contractor prior to the installation of the electrified hardware, eliminating the necessity of the electrician or security contractor being present when the doors are being hung.

Product Numbering Example: CFM83HD1xSER4

Accessible (ACC) Feature

The hinge is furnished to be installed in a single section with the leaves modified to pivot at the location of the current carrying cable and allow access to the cables and connected wiring.

Product Numbering Example: CFM83HD1xACC4

Concealed Magnetic Monitoring (CM)

Concealed magnetic monitoring is also available with the SER and ACC options. Magnetic monitor is supplied with monitor and an adjustable magnet.

Product Numbering Example: CFM83HD1xSER4xCM
CFM83HD1xACC4xCM

Customer Information Needed:

- Specify handing and prep location

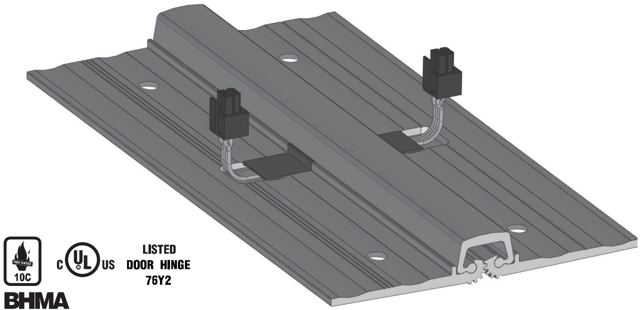
Included:

- HD1, 1100 and X-Series model hinges using Molex connectors with ElectroLynx® are warranted for five (5) years. Standard duty and HD3 hinges are warranted for one (1) year

ElectroLynx®

As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.



10C c UL US LISTED DOOR HINGE 76Y2
BHMA CERTIFIED

Quick Connect Transfer For Full Mortise (FM) Hinges	QC4 4 WIRE
	QC8 8 WIRE
	QC12 12 WIRE

Quick Connect Transfer For Full Surface (FS) & Half Surface (HS) Hinges	QC4_S 4 WIRE
	QC8_S 8 WIRE
	QC12_S 12 WIRE

Additional Electrical Modifications Options	Code
Additional Length of Quick Connect Cable Leads	
Adjustable Concealed Magnetic Monitoring	CM
Power Transfer - Prep Only	PT

Experience a safer
and more open world

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Power Transfers

CEPT
Concealed Electrical Power Transfer

Beautifully crafted, compact, secure power transfer

The heavy-duty, tamper-resistant Concealed Electrical Power Transfer (CEPT) securely transfers power and data from the hinge side of the frame to electrified hardware on the door.

The unit is discreetly concealed between the frame and door when the door is closed. Available in three multi-wire configurations and four finishes, the CEPT complements any architectural setting.

Features

Standard Features

- Mortises into the edges of the door and frame
- Direct retrofit for competitor products
- Tamper resistant
- All metal construction including back boxes
- 7/8" [22.25mm] knockouts on back boxes accommodate EMF-type fittings
- Tested to 1 million cycles
- Compatible with butt hinges up to 6" [152.4mm] and continuous hinges with cutout
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- **CEPT-10** includes 8–22 AWG wires plus 2–18 AWG wires for higher current devices
- **CEPT-C5E** includes CAT5E compatible with 8-24 AWG wires, 1–22 AWG wire, conductor, Molex connectors
- **EL-CEPT** is ElectroLynx® compatible with 12-22 AWG wires, ElectroLynx connectors

UL CERTIFIED

LIFE MagnaCare Warranty | Fire Rated | Windstorm Resistant

CEPT Concealed Electrical Power Transfer

Specifications

Certifications

- ANSI/UL 10C Listed, 3 hour rated
- ULC-S318 Listed, 3 hour rated
- ANSI/SDI-BHMA A250.13
  (+/- 150 psi) Windstorm Listed
- Florida Building Code Approved

Dimensions

- **CEPT Housing:**
  9-1/16"L x 1-3/16"W x 1-7/16"D
  [230.2mm L x 30.12mm W x 36.52mm D]

Shipping Weight

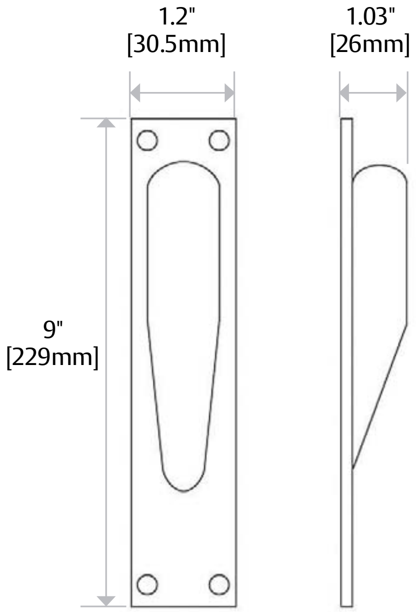
- 2.40 lbs [1.09 kg]

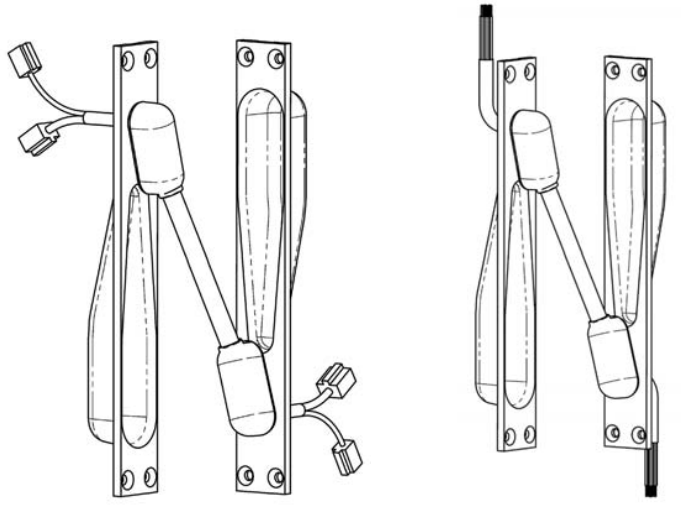
Technical Note

- Not for use with center hung or balanced doors, pocket or offset pivots or swing clear hinges.
- Door swing ranges when installed with butt hinges are:

HINGE SIZE	SWING RANGE
5" [127mm] or less	up to 180˚
5-1/2" [139.7mm]	up to 130˚
6" [152.4mm] Butt Hinge	up to 110˚

Dimensions





How to Order

WIRE CONNECTORS	SHAPE	NUMBER OF WIRES	FINISH
EL	– CEPT	– C5E	– 10B
(blank) No Connectors	**CEPT** Concealed Power Transfers	**(blank)** 12 Wires (EL option only)	**(blank)** 630 Satin Stainless Steel
EL ElectroLynx® Connectors		**10** 10 Wires	**04** 606 Satin Brass
		C5E 9 Wires	**10** 612 Satin Bronze
		NW No Wires	**613E** Dark Oxidized Satin Bronzed
			BSP Black Suede Powder

NOTE: Not every combination is possible. Please contact factory if you need a combination of features not listed above.

Updated 7/13/22 Printed in the U.S.A. Patent pending and/or patent www.assaabloydss.com/patents

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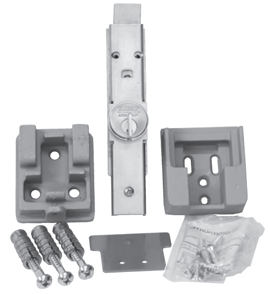
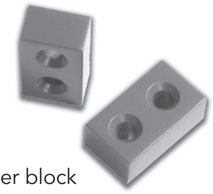
Mullion Accessories, Stabilizers and Door Coordinators

Mullion Accessories

RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion.



651 Mullion Stabilizer Kit



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

980C1 Cylinder Mullion Kit

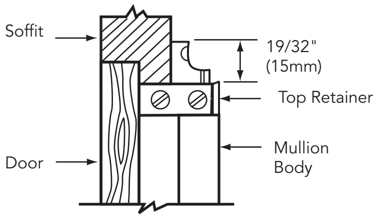
- Lockable mullions only
- Aluminum and steel
- Includes cylinder and collar

980C2 Cylinder Mullion Kit

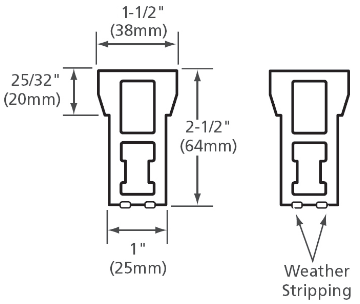
- Lockable mullions
- Electrified only
- Includes cylinder and collar

507 Narrow Transom Bars Adapter

- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide


Soffit
19/32"
(15mm)
Top Retainer
Door
Mullion
Body

650A Mullion


1-1/2"
(38mm)
25/32"
(20mm)
2-1/2"
(64mm)
1"
(25mm)
Weather
Stripping

Mullion Weights & Packaging

Product		Avg Wt
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

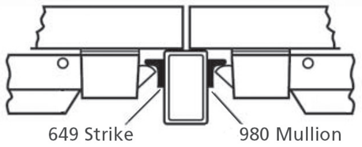
Cylinder Nut Wrench

This wrench simplifies the installation and removal of mortise cylinders nuts used on 700 Series Auxiliary Control (80 Series ET Trim).

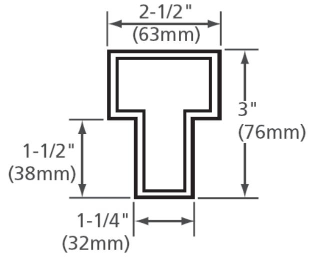
- Part number 97-0568

980S Mullion Application

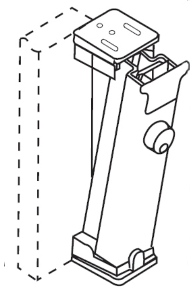
- All steel mullions are 2" x 3"


649 Strike
980 Mullion

980 Mullion & L980 Lockable Mullion


2-1/2"
(63mm)
3"
(76mm)
1-1/2"
(38mm)
1-1/4"
(32mm)

Lockable Mullion



Product Catalog

SARGENT
ASSA ABLOY

7800/8200 Series

Mortise Locks

Experience a safer
and more open world

Certifications*

8200/R8200/7800 Series Mortise Locks

Certification Compliance

ANSI/BHMA	Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. **Note:** LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL-cUL	UL and cUL Listed to US and Canadian safety standards for A label 4 x 10 single and 8 x 10 double (3 hour fire door) and lesser class doors, stamped letter F and UL symbol on armored front indicate listing
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face
Tornado and Hurricane Codes	See below

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 7800/8200 lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"

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* Any undated reference to a code or standard appearing in this catalog shall be interpreted as referring to the latest edition of that code or standard.

** Published in the 7th Edition (2020), "Florida Building Code" (FBC), State Product Approval Number FL2998

Features

8200/R8200/7800 Series Mortise Locks

The patented SARGENT Mortise Locks are designed and constructed with high quality components to provide maximum security, performance and durability. These locks represent over a century of innovation and experience in manufacturing hardware and are the industry's benchmark for mortise locks: strong, durable, flexible, innovative and secure.

Specifications

- For Doors 1-3⁄4" (44mm) thick standard
- Backset 2-3⁄4" (70mm) only
- Outside Front Plate Brass, bronze or stainless steel. 8" (203mm) x 1-1⁄4" (31mm), ANSI/BHMA Standard A156.115
- Front adjustable at any angle from flat to beveled 1⁄8" (3mm) in 2" (51mm)
- Hubs for Knobs/Levers
  - – 7800: sintered iron copper infiltrated
  - – 8200: cold forged steel
  - – R8200: investment cast steel
- Auxiliary Deadlatch is stainless steel and non-handed
- Specify hand on order; easily field reversible (if no hand is specified RH will be provided)
- Strike: Brass, bronze or stainless steel; ANSI Standard; curved lip, non-handed (strike box optional)
- Keys: Two, nickel silver (control key or emergency key must be ordered when required)
- Cylinder: Brass, size #41 (1-1/8") standard (except for Freewheeling, size #46 (1-3/4"))
- Can be masterkeyed or grand masterkeyed. Construction keying available. LA standard keyway
- Stile: 4-1/2" (114mm) minimum stile for 7800/8200/R8200, 4-3/4" (121mm) minimum stile for electrical function locks
- Door Prep: ANSI/BHMA A156.115 or A156.115W modified per template (see template)
- Warranty: 10 year limited warranty, 2 year limited warranty on electrified locks. Warranty limited to replacement of lockbody and/or components

BHMA CERTIFIED

Hurricane

Maximum Strength & Durability

- Sargent 8200 Series UL Cycle above and beyond test completed at 16 Million Cycles.
  Verification ID: V584148
- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1 with all standard trims
- Exceeds cycle testing requirements by 14 times the ANSI/BHMA A156.13 Grade 1 standard
- Case: 12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")
- 1/8" (.125") cold-rolled steel inside front holds lock securely in door
- Heavy duty wrought steel hubs and high carbon steel spring cartridge provide superior strength and cycle life for 8200 locks
- Latchbolt is stainless steel with 3/4" (19mm) projection one-piece, anti-friction reversible latch
- Deadbolt is one-piece hardened stainless steel with 1" (25mm) projection
- Optional 8200 stainless steel hubs for Institutional setting (specify 3- option)
- Patent pending and/or patent www.assaabloydss.com/patents

Features

8200/R8200/7800 Series Mortise Locks

Maximum Flexibility

- Fast and easy installation. Lock is easily re-handed without removing parts or opening the lock case
- Aesthetic design. Many escutcheon and lever styles available to match a wide range of styles
- Many standard architectural grade finishes, including Polished Nickel (US14) & Satin Nickel (US15) finishes
- 54 functions including 4 electrical functions. The most in the industry for a broad range of applications
- Versatile. Offered for door thicknesses ranging from 1-3/8" (35mm) to 6" (152mm)
- Available with vandalism deterrent trim and/or secure fastener options Torx® and spanner screws for high abuse conditions
- Available with push/pull trim, perfect for hospital applications
- Status indicator options provide peace of mind on the locked/unlocked status of a door

Innovation

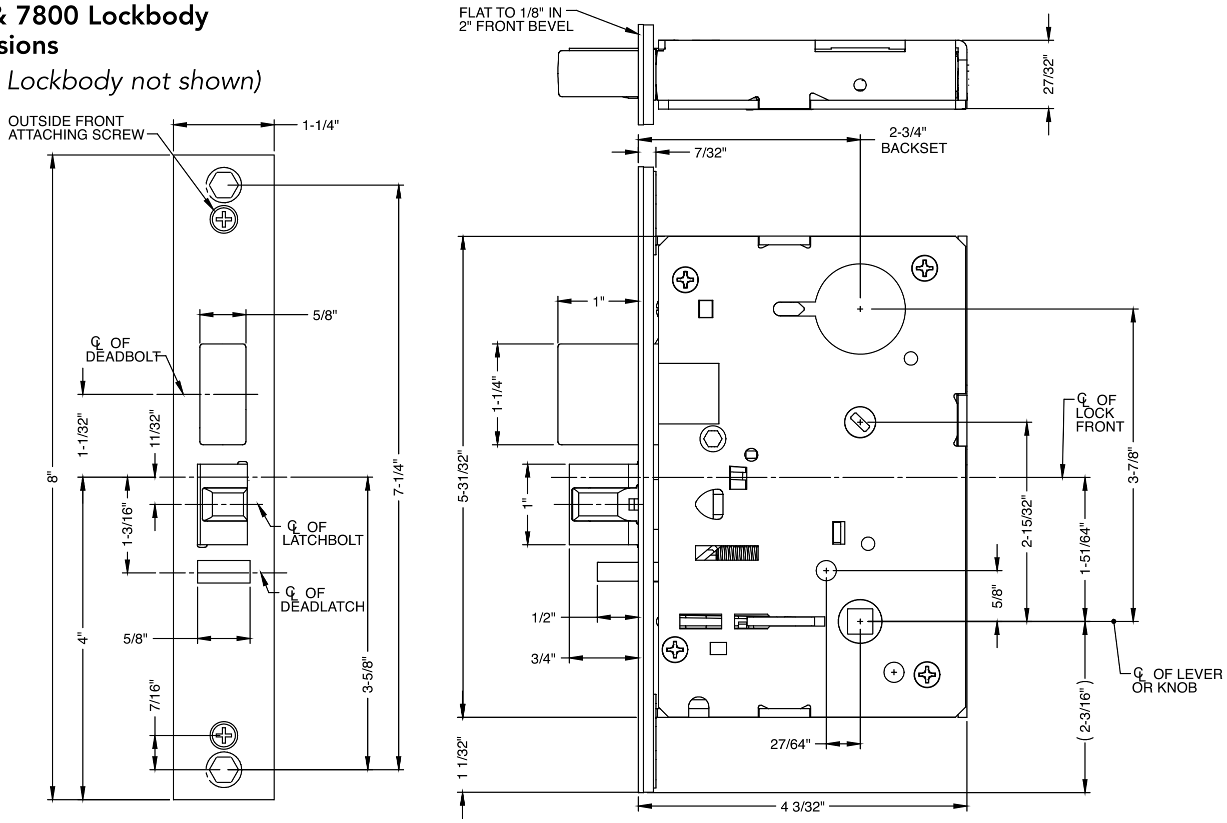
- First in the industry to offer a multi-functional lockbody that embodies 8 functions in 1 lockbody
- Easy operation. Only 30° of lever rotation required to retract latchbolt
- Lever springs contained inside of the lock case for easier installation
- SARGENT's revolutionary MicroShield® available. This antimicrobial silver-based finish coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. EPA and NSF approved and FDA listed
- Broad offering of electro-mechanical configurations offer higher security for the most demanding access/egress control applications featuring ElectroLynx® quick connectors

Security

- Multiple security trim options available: free-wheeling, security escutcheon and anti-vandal pull trim
- Security key systems available (Degree, Signature, Keso, Keso F1, & XC)

8200 & 7800 Lockbody Dimensions

(R8200 Lockbody not shown)


OUTSIDE FRONT ATTACHING SCREW
1-1/4"
5/8"
℄ OF DEADBOLT
1-1/32"
11/32"
8"
1-3/16"
℄ OF LATCHBOLT
℄ OF DEADLATCH
7-1/4"
4"
5/8"
7/16"
3-5/8"
FLAT TO 1/8" IN 2" FRONT BEVEL
27/32"
7/32"
2-3/4" BACKSET
1"
1-1/4"
5-31/32"
1"
1/2"
3/4"
1 1/32"
27/64"
4 3/32"
℄ OF LOCK FRONT
3-7/8"
2-15/32"
1-51/64"
5/8"
(2-3/16")
℄ OF LEVER OR KNOB

Note: R8200 and 8200 lockbodies are dimensionally the same except for the through-bolt locations

Explanation of the 8200/7800 Lockbody types:

Lockbody Type[1]	Trim Available x Lockbody type	Standard 8200 Door Prep	Through Bolted Trim	Multi-function lockbody available	How to order lockbody only
8200	Lever x Rose/Escutcheon	Yes	Yes	Yes	82 x Function x Finish[3]
7800	Knob x Rose/Escutcheon	Yes	Yes	Yes	78 x Function x Finish[3]
R8200	Simplí™ roseless trim	No	Yes[2]	Yes	R82 x Function x Finish[3]
8200 for ALP	ALP Push/Pull Trim	Yes	Yes	Yes	Six Digit Part # determined by function*
7800 PT	PT Push/Pull Trim	Yes	Yes	Yes	Six Digit Part # determined by function*

[1] Lockbodies can only be used with the specified trim
[2] Through Bolt locations are different from standard trim, special door prep required
[3] **Note:** Cylinder and trim not included. Outside front, strike and screw pack are included
* See Price book; **Note:** Outside Fronts, Strikes, Cylinders and Trim are NOT included

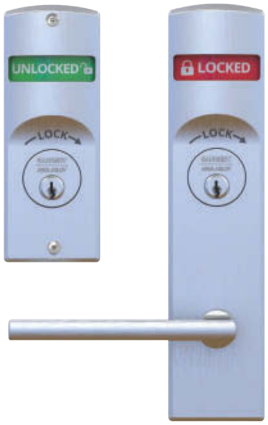
Indicators

7800/8200 Series Mortise Locks

Applications

7800/8200 Series indicators can be used in a variety of applications and are most commonly used to identify occupancy or display the locked/unlocked status of a room.

- Restrooms
- Quiet rooms
- Nursing mother's rooms
- Classroom doors



Features

- Inside, outside or both sides of the door
- Sectional or escutcheon trim
- Available with 35 different functions – including thumbturn functions
- Viewing window 25% larger than competition
- Patented curved design for viewing at multiple angles
- Window located prominently above the cylinder
- Highly reflective viewing window for increased safety
- Optional directional engraving available – must specify handing
- Retrofitable for existing applications

Functions

- Indicators are available with the following 7800 and 8200* Series functions. See pages 19-28 for details.

05
12
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68
NAC-PHR-82281
NAC-PHR-82285

* Indicators can retrofit to 8200 series mortise locks manufactured from the year 2002 to present.

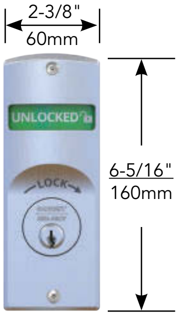
Indicators

7800/8200 Series Mortise Locks

Sectional Trim

- Surface mounted
- Torx security screws provided
- Compatible with select sectional trim rose designs: O, LN, E, TR, CR, CO, TO, E2, E3
- Compatible with all thumbturn designs
- Available with optional directional arrow engraving
- Not compatible with BHW, BHL, or BHD trims

Specify option code when ordered with lock. See page 35 for indicator codes.



Retrofit/Upgrade Kits

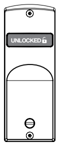
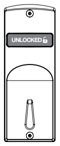
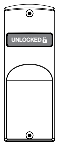
Retrofit/upgrade kits are available for existing applications only. Each kit includes single side indicator plate with mechanism, screw pack, plastic template and instructions.

To order retrofit/upgrade kits only, specify by model number below based upon function and mounting location. Door thickness and indicator option code must also be specified with kit.

Kits are handed and easily field reversible. All units are shipped from the factory with a default handing. Handing must be field verified and adjusted as needed per product installation instructions.

Retrofit/upgrade kits with directional engraving must include lock handing and lock function details.

See page 36 for how to order examples. **Note: Indicators for both sides of door require two kits.**

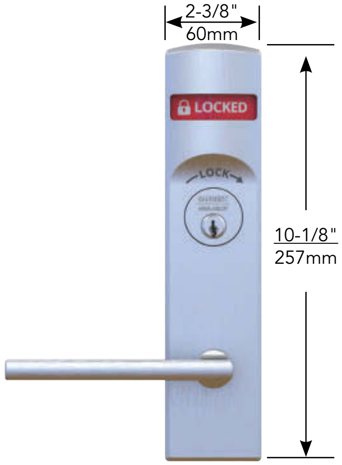
	Model #	Used with Functions	Available Option Codes	Indicator Location*
	SA190	20, 21, 22, 24, 25, 26, 28, 29, 30, 39, 40, 41, 43, 45, 46, 47, 50, 51, 52, PHR-NAC-82281	Outside Trim: V10, V20, V30, V40, V50, V60 Inside Trim: V01, V03, V04, V06	Inside and/or Outside per Function
	SA191	36, 56, 57, 58, 67		
	SA192	05, 37, 38, 42, 59		
	SA193	65, 66, 68	V10, V20, V30, V40, V50, V60	Outside
	SA194	21, 24, 25, 28, 43, 45, 47, 50, 51, 66, 68, PHR-NAC-82281, PHR-NAC-82285	V01, V03, V04, V06	Inside
	SA196	12, 56, 57, 58, 65, 67		
	SA198	05		
	SA197	12, 30, PHR-NAC-82285	Outside Trim: V10, V20, V30, V40, V50, V60 Inside Trim: V01, V03, V04, V06	Inside or Outside per Function

*When indicators are required on both sides of the door, 2 upgrade kits must be ordered, one kit for each side.

Escutcheon Trim

- Unique escutcheon (VN1) for both inside and outside of door for indicator functions
- Non-indicator functions provide with standard escutcheons as ordered, i.e. LE1, LE2, LE3, LE4, LW1, LS or WT
- Through-bolted
- Torx security screws optional
- Compatible with all thumbturn designs
- Available with optional directional arrow engraving
- Not compatible with select knob/lever designs: C, MK, MT, H001, H002, H003, H004, H005, H006, H007, H008, H009, H010, H011

Specify option code when ordered with lock. See page 35 for indicator option codes.



Trim Kits

Complete trim kits are available to retrofit/upgrade existing applications.

Trim kit includes levers and escutcheons with mechanism for both sides of door, screw pack, door marker and instructions.

To order trim kit only, specify by adding option code IS and the indicator option code (see pg. 35 for codes) to the complete order string. The IS option code will be used for all trim kits for the VN1 escutcheon with indicators. Both inside and outside will be supplied.

Option Code	Functions
IS	All functions*

*Escutcheon indicator trim kits available for all functions as listed on page 32

Note: Escutcheon applications require both sides of the door to have the unique VN1 escutcheon. Kits will be provided as a set.

How to Order Example

Option Codes	Function	Esctucheon	Lever	Door Thickness	Hand	Finish
IS-V04-	8256*	VN1	L	1-3/4"	RH	26D

* The function of the existing lock is required so the proper escutcheons can be provided.

Office & Inner Entry Lock x escutcheon trim x inside indicator - Unlocked/Locked – Red/White x trim only.

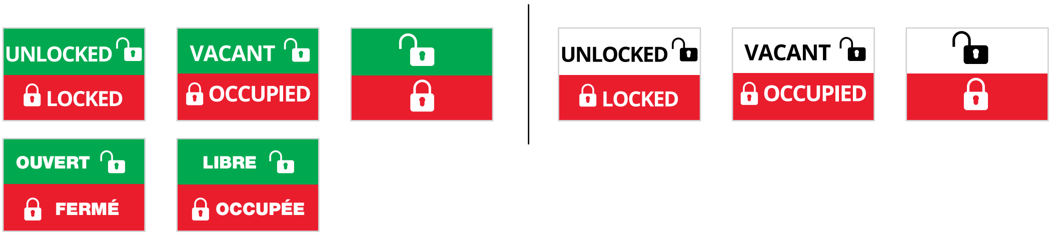
Indicators

7800/8200 Series Mortise Locks

SARGENT
ASSA ABLOY

Indicator Option Codes

7800/8200 Series indicator option codes are designed to convey wording, color and side of door desired in one simple code. To order, specify option code for complete locksets and/or retrofit/upgrade trim kits.



Single Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V10	Unlocked/Locked	No Indicator	Green/Red
V10F	Ouvert/Fermé	No Indicator	Green/Red
V20	Vacant/Occupied	No Indicator	Green/Red
V20F	Libre/Occupée	No Indicator	Green/Red
V30	Icons Only	No Indicator	Green/Red
V40	Unlocked/Locked	No Indicator	White/Red
V50	Vacant/Occupied	No Indicator	White/Red
V60	Icons Only	No Indicator	White/Red
V01	No Indicator	Unlocked/Locked	Green/Red
V01F	No Indicator	Ouvert/Fermé	Green/Red
V03	No Indicator	Icons Only	Green/Red
V04	No Indicator	Unlocked/Locked	White/Red
V06	No Indicator	Icons Only	White/Red

Double Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V11	Unlocked/Locked	Unlocked/Locked	Green/Red
V11F	Ouvert/Fermé	Ouvert/Fermé	Green/Red
V21	Vacant/Occupied	Unlocked/Locked	Green/Red
V21F	Libre/Occupée	Ouvert/Fermé	Green/Red
V33	Icons Only	Icons Only	Green/Red
V44	Unlocked/Locked	Unlocked/Locked	White/Red
V54	Vacant/Occupied	Unlocked/Locked	White/Red
V66	Icons Only	Icons Only	White/Red

Engraving			
Option Code	**Outside**	**Inside**	**Wording**
EMA	Engraving	No Engraving	"Lock" with arrow
EMB	No Engraving	Engraving	"Lock" with arrow
EMC	Engraving	Engraving	"Lock" with arrow

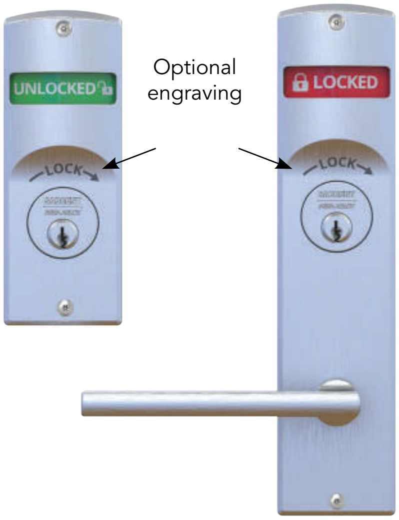
Indicators

7800/8200 Series Mortise Locks

Engraving Options

- Laser engraving with "LOCK" and directional arrow
- Only available in the following finishes: 3, 4, 14, 15, 26, 26D, 32, 32D
- Available with MicroShield®
- Door handing must be specified

Option Code	Description
EMA	Engraving located on outside of door
EMB	Engraving located on inside of door
EMC	Engraving located on inside and outside of door



Note: Engraving is available as an option for all functions when ordered with an indicator. Option codes must be specified with complete lock and/or retrofit (upgrade) kits/trim. EMC is not available with sectional trim upgrade kits.

How to Order Examples

Complete with Lock

Sectional Trim

Option Code	Function	Rose	Lever	Hand	Finish
V04	8238	O	L	RH	26D

Escutcheon Trim

Option Code	Function	Escutcheon	Lever	Hand	Finish
V54 x EMB	8265	VN1	L	RH	26D

Privacy Bedroom/Bath function x escutcheon trim x double indicator - Vacant/Occupied – Red/White (Outside) Unlocked/Locked – Red/White (Inside)

Retrofit (Upgrade)/Trim Kit Only

Sectional Trim*

Option Code	Model #	Door Thickness	Finish
V04	SA190	1-3/4"	26D

Keyed function indicator for sectional trim x single indicator inside – Unlocked/Locked – Red/White

* When indicators are required on both sides of the door, 2 upgrade kits must be ordered, one kit for each side.
All units are shipped from the factory with a default handing. Handing must be field verified and adjusted as needed per product installation instructions.

Escutcheon Trim

Option Codes	Function	Esctucheon	Lever	Door Thickness	Hand	Finish
IS-V04-	8256**	VN1	L	1-3/4"	RH	26D

Office & Inner Entry Lock x escutcheon trim x inside indicator - Unlocked/Locked – Red/White x trim only.
** The function of the existing lock is required so the proper escutcheons can be provided.

Sectional Trim Only Indicators

The following indicators are available with sectional trim only and have different features and options than the indicators found on pages 32-36. To order the following sectional indicators with locksets, specify option codes 49- or 50-.

49- Option Visual Status Indicator for Non Secure Applications

- Designed to work with Classroom security functions
- Red/White indicator plate standard
- Mounts on inside of door
- Functions and Roses available:
  - – 30, 36 & 37 Functions with 7800, 8200 and R8200 locks, CR, L, LN, TR, E & O Roses
  - – 26, 29, 38, 39, 40 and 41 Functions with 7800, 8200, and R8200 locks & LN Roses Only
- As retrofit, order 185C x finish

Inside Only

185C

49- Option Occupancy Indicator with Emergency Release

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard
- Mounts on outside of door
- Emergency coin operated release standard
- Functions and Roses available:
  - – 65, 66, 68 Functions with 7800, 8200, and R8200 locks, CR, E, L, LN, O & TR Roses
- As retrofit, order 185P x finish

185P

50- Option Secured Indicator Rose

- Non-handed with lever and mounting posts field reversible
- VAC/OCC indicator plate standard
- Mounts on outside of door
- Available for the following functions: 24, 25, 26, 28, 29, 30, 36, 37, 38, 39, 40, 41, 43, 45, 50, 51, 52, 57, 58, 67 - with Rose Trim only
- Patent pending and/or patent www.assaabloydss.com/patents
- Not available with Roseless trim (R8200)
- For retrofit, order 185S x suffix x finish:

Suffix	Door Thickness
-1	1-3/8" (35mm)
-2	1-3/4" (44mm)
-3	2" (51mm)
-4	2-1/4" (57mm)

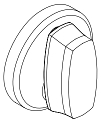
Note: For 49- and 50- Options, key will not retract latch when used with 37 and 38 functions

Thumbturn Designs

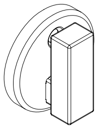
8200/R8200/7800 Series Mortise Locks

130KB Round Backplate

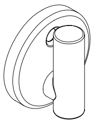
(Shown with Standard Turn)



T1 Turn



T2 Turn

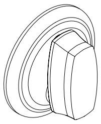


T3 Turn

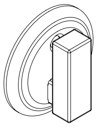
- Round backplate supplied standard with L, O, LN roses and R8200 roseless trim
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate
- Meets ADA Requirements

130KT Traditional Backplate

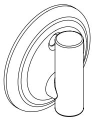
(Shown with Standard Turn)



T1 Turn



T2 Turn

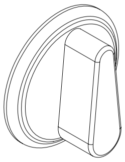


T3 Turn

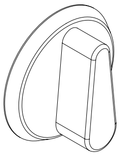
- Dual radii edge backplate supplied standard with TO and TR roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass plate
- Meets ADA Requirements

130LB Large Round Backplate

(Shown with Large ADA Turn)



130LT



130LC

- Available with R8200 & 8200 with sectional trim
- 40% larger than standard thumbturn
- Specify LB as an option for ADA turn
- 2" (51mm) round brass, zinc, or stainless steel plate & turn
- 130LT - Traditional backplate, 130LC — Contemporary backplate
- Meets ADA Requirements

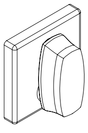
126 T-Turn

(7892 function only)

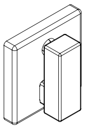
- 2-3/16" (56mm) round stainless steel backplate
- 2-3/8" (61mm) tall thumbturn
- Available in brass or bronze finishes only
- Surface mounted with three screws
- Order as "SST" trim with 7892 function

130KA Square Backplate

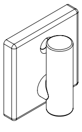
(Shown with Standard Turn)



T1 Turn



T2 Turn

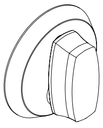


T3 Turn

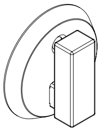
- Square backplate supplied standard with E, E2, E3 or E4 roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate
- Meets ADA Requirements

130KC Contemporary Backplate

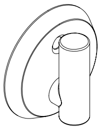
(Shown with Standard Turn)



T1 Turn



T2 Turn



T3 Turn

- Beveled edge backplate supplied standard with CO and CR roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass or stainless steel plate
- Meets ADA Requirements

130KBHA Turn for use with 8200 Mortise BHW, ALP, BHL and BHD Trim

- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

130W Round Backplate

(Shown with Standard Turn)

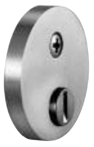
- Used with 7800 with sectional trim
- 1-1/2" (38mm) round brass or stainless steel plate

Emergency Releases & Accessories

8200/R8200/7800 Series Mortise Locks

Emergency Releases

184KB Emergency Release (used with R8200 & 8200 with sectional trim)

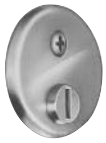


- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Studio Collection Emergency Release

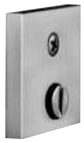
- 184KC Emergency Release Contemporary
- 184KT Emergency Release – Traditional

184W Emergency Release (used with 7800 with sectional trim)



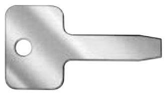
- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

184KA Emergency Release (used with E rose)



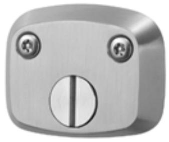
- 1-1/2" (38mm) square brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Emergency Key 14-0057



- Carbon steel
- For 65, 66 and 68 functions only
- Must be ordered separately

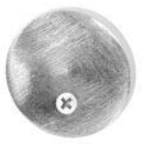
184KBHA Emergency Release (used with BHW, ALP, BHL and BHD trim)



- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

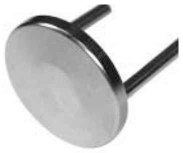
Accessories

130KBCVR Cap



- Thumbturn plate
- Covers hole in door when thumb turn is no longer needed

82-4023 Cap



- 2" round
- Covers hole for levers and roses

Door Thickness	Part Number
1-3/8"	82-4022
1-3/4"	82-4023
2"	82-4024
2-1/4"	82-4025

Trim One Side Kit

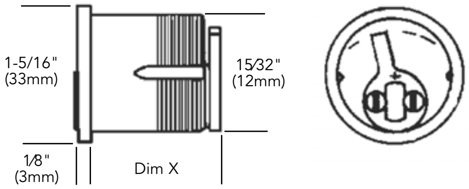
Refer to page 51 for a complete list of kits

Cylinder Lengths (Dim X)

Cylinder No.	41	42	43	44	46	48	50	52	54	56
Dim X Length Under Cylinder Head	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)	2" (51mm)	2-1/4" (57mm)	2-1/2" (64mm)	2-3/4" (70mm)	3" (76mm)

40 Series Type Cylinder

- Cylinder body: Solid brass
- Cap: Brass, bronze or stainless steel
- All functions take a Standard Cam Functions
- Standard Cam 13-0664
- 16 & 92 Inside Cam -105
- 50 Hotel Cam -115 supplied standard with all Hotel Function Cylinders



7850/8250 Function Hotel Cylinder

- When door is locked by deadbolt, only emergency key is able to unlock
- Must request emergency key separately (7268EMK x reg #)
- Supplied with Cam suffix -115 for Hotel Functions

78- Option Exposed Barrel

- Standard for use only with SARGENT Escutcheon Trims KE3, KE4, LE3, LE4
- Available 6-Pin standard or 7-Pin optional
- NOT available with 50-, 60-, 70- or other specialty or higher security options
- See function table for cam required
- Not available in 50 function
- Plug finishes: 4, 15 (similar to 26 finish)

124 Series Mortise Cylinder Turn Lever

- Turn lever: Brass, bronze or aluminum
- Cap: Brass, bronze or stainless steel
- Must be ordered separately

10- Option Signature Series

- The protected system offers the building owner full control over duplication of keys. Highly pick-resistant cylinders
- 10-63- Option — Signature cylinder with Large Format Interchangeable Cores

F1-82- and 82- Option KESO

- The system offers the building owner full control over duplication of keys
- Highly pick-resistant cylinders
- Expanded levels of masterkeying
- F1-83- & 83- Option — Keso removable core
- 84- Option — Keso construction core cylinder

11- Option XC Key System

- Key system works with existing SARGENT keyway adding increased security
- 11- XC standard cylinder
- 11-63- Large format interchangeable core
- 11-73- Small format interchangeable core

DG1, DG2, DG3 - Degree Series

- Utility patented, bump resistant and requires the use of a patented key
- All three locking mechanisms within the same system to be operated with just one key
- See Degree Key System Catalog for available options

Not all cylinder series offered in sizes listed above, for complete cylinder information, see Cylinders & Components, Degree, Signature, Keso, Keso F1 or XC catalogs.

Cylinders & Rosettes

8200/R8200/7800 Series Mortise Locks

51- Option Old Style Removable Core

- Available for **existing systems only** Permanent Removable Cores
- Control key used to remove core, must request control key separately

60- or 70- Option Plastic Construction Core

- For doors that do not require key locking during the construction period
- Operate with coin or flat screw driver
- For use with LFIC (removable) (60- Option) or SFIC (70- Option) core

63- Option Large Format Interchangeable (Removable) Core

- Allows immediate removal of the core. Virtually unlimited key changes
- Available 10-63-, 11-60-, 11-63- & 11-64-
- For disposable core, see 60- Option
- 64- Option- LFIC 6-Pin construction core
- Control key used to remove core, must request control key separately

7300B Interchangeable Core

- Small Format Interchangeable Core (SFIC)
- SARGENT Interchangeable Core cylinders and MasterKey Systems are available for increased security through quick change of keying. It is unnecessary to remove a cylinder
- SARGENT 7300B Interchangeable Cores are available in SARGENT 4A and 4B keyways, as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M
- For disposable core, see 70- Option
- 65-73 Option — 6-Pin SFIC uncombinated
- 65-73-7P Option — 7-Pin SFIC - uncombinated
- 70- Option — Disposable SFIC
- 72- Option — Construction SFIC
- 11-72- Construction core provided for use with 11-7300 cylinder housing 11-70- temporary plastic core prepared to accept 11-7300 core
- 73- Option — 6-Pin SFIC, SARGENT 4A, 4B keyways
- 73-7P Option — 7-Pin SFIC, SARGENT 4A, 4B keyways
- Control key used to remove core (ordered separately)

1SB Cylinder Collar

- Standard for 7800 BHD, 8200 BHL & BHW mortise locks
- Stainless steel
- 1-29/32" diameter
- Available in 4 sizes
- Projection from door:

1SB-1	5/16" (8mm)
1SB-2	7/16" (11mm)
1SB-3	9/16" (14mm)
1SB-4	11/16" (16mm)

- Finishes: 32, 32D

21- Option Lost Ball Construction System

- The SARGENT construction keying system protects the building owner by providing temporary masterkeying during the construction period

1KB Rosette with 8200 & R8200 sectional trim

- Used with mortise cylinders and No. 90 blocking rings when cylinders project from door
- Furnished standard with L, O, LN, CO, CR, TO and TR roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP
- Projection from door:

1KB-1	5/16" (8mm) — Standard
1KB-2	7/16" (11mm)
1KB-3	9/16" (14mm)
1KB-4	11/16" (16mm)

1KA Rosette with 8200 sectional trim

- Used with mortise cylinders
- Furnished standard with the E, E2, E3 and E4 roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) Square, includes compression spring
- Projection from door:

1KA-1	5/16" (8mm) — Standard
1KA-2	7/16" (11mm)
1KA-3	9/16" (14mm)
1KA-4	11/16" (16mm)

- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

No. 97 Rosette

- Standard for cylinders ordered separately from hardware
- Standard for 7800 knob mortise & 4870 deadbolt
- Brass, bronze or stainless steel
- 1-11/16" diameter (43mm), 9/32" (7mm) projection, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

No. 90 Blocking Ring

- Used with 1KB rosettes as spacer when mortise cylinder projects from face of door
- Brass, bronze or stainless steel
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

1KB-5 Cylinder Retaining Cap

- Required for double cylinder functions on LS Escutcheon *only*
- Steel or stainless steel
- 1-15/32" (37mm) diameter
- 9/16" (14mm) projection
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

Rosette Requirements & Cams

8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Single Cylinder / **Double Cylinder**

Sectional Trim (CO, CR, L, LN, O, PT, SL, SN, TO, TR)

Single Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-2	1KB-1	1KB-1	N/A
42	1KB-3	1KB-2	1KB-2	1KB-1
43	1KB-4	1KB-3	1KB-3	1KB-3

Double Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-3	1KB-2	1KB-1	N/A
42	1KB-4	1KB-3	1KB-2	1KB-1
43	97-0352	1KB-4	1KB-3	1KB-2

Sectional Trim (E, E2, E3, E4)

Single Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KA-2	1KA-1	1KA-1	N/A
42	1KA-3	1KA-2	1KA-2	1KA-1
43	1KA-4	1KA-3	1KA-3	1KA-3

Double Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KA-3	1KA-2	1KA-1	N/A
42	1KA-4	1KA-3	1KA-2	1KA-1
43		1KA-4	1KA-3	1KA-2

Escutcheon Trim (CE, KE1, KE2, KW1, LE1, LE2, LW1, TE)

Single Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-1	Cylinder Only	Cylinder Only	Cylinder Only
42	1KB-2	1KB-1	Cylinder Only	Cylinder Only
43	1KB-3	1KB-1	1KB-1	Cylinder Only

Double Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-2	90 1/8	Cylinder Only	Cylinder Only
42	1KB-3	1KB-2	1KB-1	Cylinder Only
43	1KB-4	1KB-3	1KB-2	90 1/8

Escutcheon Trim (WT)

Single Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	97	Cylinder Only	Cylinder Only	Cylinder Only
42	1SB-2	97	Cylinder Only	Cylinder Only
43	1SB-3	97	97	Cylinder Only

Double Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-2	97	Cylinder Only	Cylinder Only
42	1SB-3	1SB-2	97	Cylinder Only
43	1SB-4	1SB-2	1SB-2	97

Specialty Hardware (BHW, BHL, BHD, ALP)

Single Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-2	1SB-1	1SB-1	N/A
42	1SB-3	1SB-2	1SB-2	1SB-1
43	1SB-4	1SB-3	1SB-3	1SB-3

Double Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-3	1SB-2	1SB-1	N/A
42	1SB-4	1SB-3	1SB-2	1SB-1
43	1SB-4	1SB-4	1SB-3	1SB-2

Sectional and Escutcheon Trim with V Series Indicators

Single Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	Cylinder Only	Cylinder Only	N/A	N/A
42	1KB-1	Cylinder Only	Cylinder Only	N/A
43	1KB-2	1KB-1	Cylinder Only	Cylinder Only

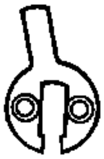
Double Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-1	Cylinder Only	N/A	N/A
42	1KB-1	1KB-1	Cylinder Only	N/A
43	1KB-2	1KB-1	1KB-1	Cylinder Only

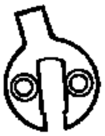
Cylinder Cams For Mortise Locks

SARGENT Conventional Cylinders

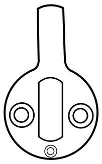
- Standard



Std Cam
(13-0664)
for all functions except for 50 and the Inside cam for 16 & 92 function locks



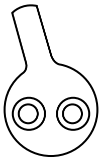
-105 Cam
(13-0665)
16 & 92 Function Inside Cylinder Cam



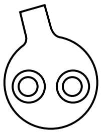
-115 Cam
(13-2045)
50 Function Hotel Cam, supplied with 50 function cylinders

SARGENT Large Format Interchangeable Core Cylinders

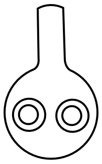
- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix: 63-44-105 cam
- For Standard Cam: no suffix is required



Std 6300 Cam
for all functions except for 50 and the Inside cam for 16 & 92 function locks



-105 Cam
for 6300 Series 16 & 92 function I/S Cylinder



-115 Cam
for 6300 Series 50 (Hotel) function, supplied with 50 function cylinders

See Cylinder catalogs for additional information

ADA and Handicap Warning

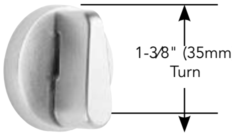
8200/R8200/7800 Series Mortise Locks

ADA and Handicap Warning

Lever Return to Door

- Lever designs H002, H005, H006, H016, J, L, MX, MW, MZ, ND, NF, NJ, NS, NU, P
- Lever returns within 1/2" (13mm) of door face or less
- Meets ADA Compliance for national codes

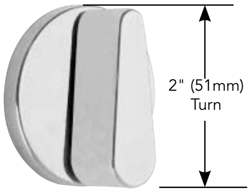
Standard Thumbturn



- Meets ADA Compliance for national codes
- Order as: 130KB, 130KC, 130KT, 130W or 130KA x finish

See page 38 for design

LB - Thumbturn



- Meets the tougher local ADA requirements
- 40% larger than standard thumb turn
- Order as: 130LB, 130LC or 130 LT x finish

See page 38 for design

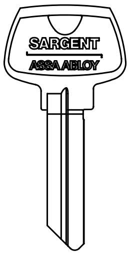
Tactile Handicapped Warning

- Abrasive Coating:
  Options 85-, 86- & 87-
  - Complete lever abrasive coated
- Milled 1/16" Grooves:
  Options 75-, 76- & 77-
  - B, E, J, L, P and W Levers — Grooves on backside surface of lever
  - F Lever — Grooves on top and bottom surface of lever

Tactile Handicapped Warning

- Knurled B & C Knobs available ; options 75-, 76-, & 77-
- Knobs are NOT ADA compliant

Keys



- Large key bows are available in Sargent C family of keyways
- Standard key bows can have attachments added to increase the grip area
- Keys are NOT ADA compliant

Mechanical Options

8200/R8200/7800 Series Mortise Locks

Mechanical Options:

Available mechanical options by lock type

Categories	How to Specify	Detailed Description	8200	R8200	7800
1-3/8" Door	1-	1-1/16" (27mm) wide front for 1-3/8" (35mm) doors (not available with RX-Option) (1- for 93 + 94 function is a special order)	X	—	X
Add Strength	3-	Stainless steel hubs with in the mortise lock	X	—	—
Strike Option	23-	4-7/8" (124mm) ANSI flat lip strike	X	X	X
	OBS-	Open back strike	X	X	X
	WBS-	Wrought box strike	X	X	X
Thick Doors	31-	For doors 1-7/8" (48mm) to 2-1/4" (57mm) thick — see cylinder options for limitations on door thickness. When ordering the following information is required: Location of lock within the door, door thickness -IF PANELED -must specify panel thickness & panel location (inside or outside of the door) For doors thicker than 2-1/4" — consult factory.	X	X	X
Security Fasteners	36-	6 Lobe head security screws (Torx® type)	X	—	X
	37-	Spanner head security screw (not available with Studio levers)	X	—	X
Visual Indicators	49-	Visual Status Indicator or Occupancy indicator with emergency release (not available with escutcheon trim)	X	X	X
	50-	Secured indicator rose (available with rose trim only)	X	—	X
	V10	Single Indicator Outside - Unlocked/Locked - Green/Red	X	—	X
	V20	Single Indicator Outside - Vacant/Occupied - Green/Red	X	—	X
	V30	Single Indicator Outside - Icons Only - Green/Red	X	—	X
	V40	Single Indicator Outside - Unlocked/Locked - White/Red	X	—	X
	V50	Single Indicator Outside - Vacant/Occupied - White/Red	X	—	X
	V60	Single Indicator Outside - Icons Only - White/Red	X	—	X
	V01	Single Indicator Inside - Unlocked/Locked - Green/Red	X	—	X
	V03	Single Indicator Inside - Icons Only - Green/Red	X	—	X
	V04	Single Indicator Inside - Unlocked/Locked - White/Red	X	—	X
	V06	Single Indicator Inside - Icons Only - White//Red	X	—	X
	V11	Double Indicator - Unlocked/Locked - Green/Red (Outside) Unlocked/Locked - Green/ Red (Inside)	X	—	X
	V21	Double Indicator - Vacant/Occupied - Green/Red (Outside) Unlocked/Locked - Green/ Red (Inside)	X	—	X
	V33	Double Indicator - Icons Only - Green/Red (Outside) Icons Only - Green/Red (Inside)	X	—	X
	V44	Double Indicator - Unlocked/Locked - White/Red (Outside) Unlocked/Locked - White/ Red (Inside)	X	—	X
	V54	Double Indicator - Vacant/Occupied - White/Red (Outside) Unlocked/Locked - White/ Red (Inside)	X	—	X
	V66	Double Indicator - Icons Only - White/Red (Outside) Icons Only - White/Red (Inside)	X	—	X
	EMA	Outside Engraving with "Lock" and Directional Arrow	X	—	X
	EMB	Inside Engraving with "Lock" and Directional Arrow	X	—	X
	EMC	Engraving Both Sides with "Lock" and Directional Arrow	X	—	X
Visual Indicators - French	V10F	Single Indicator Outside - Ouvert/Fermé - Green/Red	X	—	X
	V20F	Single Indicator Outside - Libre/Occupée - Green/Red	X	—	X
	V01F	Single Indicator Inside - Ouvert/Fermé - Green/Red	X	—	X
	V11F	Double Indicator - Ouvert/Fermé - Green/Red (outside) Ouvert/Fermé - Green/Red (inside)	X	—	X
	V21F	Double Indicator - Ouvert/Fermé - Green/Red (outside) Libre/Occupée - Green/Red (inside)	X	—	X

* Available on 15, 26D, and 32D Finishes only

** Not available in combination

Mechanical Options

8200/R8200/7800 Series Mortise Locks

Categories	How to Specify	Detailed Description	8200	R8200	7800
Electrical Options	DX-	Deadbolt monitoring — Monitor deadbolt position (not available with LX-)	X	X	X
	LX-	Latchbolt monitor — Monitors latchbolt position (not available with deadbolt functions)	X	X	X
	RX-**	Request to Exit — Monitors each lever independently (not available with LB-option)	X	X	X
	TL-	SARGuide illuminated inside WT trim with the word EXIT illuminated (4-1/2" pocket depth required)	X	—	—
Lever/Knob Combination	68-	8200 Lock furnished w/lever handle outside x knob inside (not available with the AV-Option or FE Trim)	X	—	—
	69-	8200 Lock furnished w/lever handle inside x knob outside (not available with the AV-Option or FE Trim)	X	—	—
Lead Lining	74-[2]	Lead lining or wrapping available with sectional trim only (not available with DX-or LX-Options)	X	—	X
Tactile Warnings	75-	Tactile Warning — Milled levers or knurled knobs. Inside trim only (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	76-	Tactile Warning — Milled levers or knurled knobs. Outside trim only (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	77-	Tactile Warning — Milled levers or knurled knobs. Inside & outside trim (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	85-[3]	Tactile Warning — Abrasive coating inside trim only (not available with D knobs)	X	X	X
	86-[3]	Tactile Warning — Abrasive coating outside trim only (not available with D knobs)	X	X	X
	87-[3]	Tactile Warning — Abrasive coating inside & outside trim (not available with D knobs)	X	X	X
Anti-Vandal Trim	AV-	Anti-Vandal pull trim (not available with LS & FE trim and Options 1-, 31-, 49-, 50-, 68-, 69-, 76-, 77-, 86-, 87-, DX-or SG-)	X	—	X
Finish Protection	CPC-	Clear Powder Coat (available for 32 & 32D finishes)	X	X	X
	SG-[1]	MicroShield® antimicrobial clear powder coat	X	X	X
Thumbturns (See page 38)	LB-	ADA Extra large thumbturn; backplate matches rose design chosen	X	X	X
	T1-	Decorative thumbturn; backplate matches rose design chosen	X	X	—
	T2-	Decorative square thumbturn; backplate matches rose design chosen	X	X	—
	T3-	Decorative cylinder thumbturn; backplate matches rose design chosen	X	X	—

1 Available on 15, 26D, and 32D Finishes only

2 Not available in combination

3 Entire lever surface provided with abrasive coating

Cylinder Options

8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Cylinder Options:

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Conventional Cylinder		SARGENT Conventional Cylinders supplied standard	41-44,46,48,50,52,54,56
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)	41-44, 46
	DG1-21-*	Degree Level 1 Construction Master Keying	41-44, 46
	DG1-60-	Degree Level 1 Removable Disposable Construction Core	41-44, 46
	DG1-63-	Degree Level 1 Removable Core	41-44, 46
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC	41-44, 46
	DG1-65-*	Degree Level 1 Unassembled/Uncombined Core	41-44, 46
	DG1-78-*	Degree Level 1 Exposed Plug (for use with LE3/LE4 escutcheons only)	41-43
	DG2-*+	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)	41-44, 46
	DG2-21-*	Degree Level 2 Construction Master Keying	41-44, 46
	DG2-60-*	Degree Level 2 Removable Disposable Construction Core	41-44, 46
	DG2-63-*	Degree Level 2 Removable Core	41-44, 46
	DG2-64-*	Degree Level 2 Removable Construction Keyed LFIC	41-44, 46
	DG2-65-*	Degree Level 2 Unassembled/Uncombined Core	41-44, 46
	DG3-*+	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)	41-44, 46
	DG3-21-*	Degree Level 3 Construction Master Keying	41-44, 46
	DG3-60-*	Degree Level 3 Removable Disposable Construction Core	41-44, 46
	DG3-63-*	Degree Level 3 Removable Core	41-44, 46
	DG3-64-*	Degree Level 3 Removable Construction Keyed LFIC	41-44, 46
Signature Key System	**10-***	SARGENT Signature Key System (not available with other key systems)	41-44,46,48,50,52,54,56
	10-21-*	SARGENT Signature Construction Key System (Lost Ball)	41-44,46,48,50,52,54,56
Signature Large Format Interchangeable Core (Removable Core)	**10-63-***	SARGENT Signature LFIC (removable) Core Cylinder	42, 43, 44 & 46
XC- Key System	**11-***	XC Key System (not available with other key systems, unless specified)	41-44,46,48,50,52,54,56
	11-21-*	XC- Construction Key System (Lost Ball)	41-44,46,48,50,52,54,56
XC- Large Format Interchangeable Core (Removable Core)	**11-60-***	Hardware to accept XC- Permanent LFIC (removable core), disposable plastic core provided	42, 43, 44 & 46
	11-63-*	Hardware provided with XC- LFIC (removable core) cylinder (Includes masterkeying, grand masterkeying)	42, 43, 44 & 46
	11-64-*	Hardware provided with keyed construction core to accept XC- LFIC (removable) permanent core ordered separately	42, 43, 44 & 46
XC- Small Format Interchangeable Cores	**11-70-7P-***	Hardware to accept XC- SFIC (7-Pin) XC- permanent cores, disposable plastic core provided	43 & 46
	11-72-7P-*	Hardware to accept XC- SFIC (7-Pin keyed construction core provided) cylinder permanent core ordered separately	43 & 46
	11-73-7P-*	Hardware provided with XC- Small format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
	11-65-73-7P-*	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (permanent) core (packed loose)	43 & 46
Construction Key System	**21-***	SARGENT Lost Ball Construction keying for conventional, XC and Signature Series (N/A with 63- or 73-)	—
	22-*	SARGENT Construction Split Key System for conventional cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)	—
Old Style Removable Core	**51-***	Removable core cylinder (Old style) provided (existing systems only)	142,143,144,146
	52-*	Removable construction core (Old style) permanent core ordered separately (existing systems only)	142,143,144,146

* Options not available with 50 function lockout cylinder

+ Not available with R8200 Series

Note: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements

Cylinder Options

8200/R8200/7800 Series Mortise Locks

Cylinder Options:

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Large Format Interchangeable Core	60-	Hardware to accept SARGENT permanent LFIC (removable core), disposable plastic core provided (permanent cores ordered separately)	42, 43, 44 & 46
	63-	Hardware provided with LFIC (removable core) cylinder - (Includes masterkeying, grand masterkeying)	42, 43, 44 & 46
	64-	Hardware provided with Keyed construction core to accept LFIC (removable) permanent core (ordered separately)	42, 43, 44 & 46
Small Format Interchangeable Cores	70-*	Hardware to accept 6- or 7-Pin SFIC permanent cores, disposable plastic core provided	43 & 46
	72-*	Hardware to accept 6- or 7-Pin SFIC (keyed construction core provided) cylinder (permanent core ordered separately)	43 & 46
	73-*	Hardware provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)	43 & 46
	65-73-*	Hardware provided to accept uncombinated 6-Pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	65-73-7P-*	Hardware provided to accept uncombinated 7-Pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	73-7P-*	Hardware provided with Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
Keso & Keso F1	81-*	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (permanent cores ordered separately)	172-174,176
	82-	Hardware provided with SARGENT Keso security cylinder	71-74,76
	F1-82-	Hardware provided with SARGENT Keso F1 security cylinder (patented)	71-74,76
	83-*	Hardware provided with SARGENT Keso security removable core cylinder	172-174,176
	F1-83-*	Hardware provided with SARGENT Keso F1 security removable core cylinder (patented)	172-174,176
	84-*	Hardware provided with SARGENT Keso construction cores (permanent cores ordered separately)	172-174,176
Additional Security	BR-	Bump resistant cylinder (available with conventional & conventional XC cylinders only)	—
Less Cylinder	LC-	Less cylinder – SARGENT supplies standard blocking rings for 1-1/8" cylinders (for longer cylinders order collars/rings separately)	—
Schlage Keyways	SC-*^	Schlage C keyway cylinder, 0 bitted	#41 Only
	SE-*^	Schlage E keyway cylinder, 0 bitted	#41 Only

^ Options not available with Freewheeling Trim

* Options not available with 50 function lockout cylinder

Note: When using Interchangeable Core Cylinders, the ANSI/BHMA Cylinder Grade determines the grade of the lock, even if the lock is certified ANSI/BHMA Grade 1 with a standard cylinder

Cylinder Length	SARGENT Cylinder Sizes	Keso Cylinder Sizes	Keso R/C Cylinder Sizes
1-1/8"	#41	#71	N/A
1-1/4"	#42	#72	#172
1-3/8"	#43	#73	#173
1-1/2"	#44	#74	#174
1-3/4"	#46	#76	#176
2"	#48	N/A	N/A
2-1/4"	#50	N/A	N/A
2-1/2"	#52	N/A	N/A
2-3/4"	#54	N/A	N/A
3"	#56	N/A	N/A

How To Order, Finishes, Packaging & Security Screw Chart

8200 Series Mortise Locks

How to Order 8200, R8200 & 7800 Series Mortise Locks

10-	82	71	12VDC	TR	MJ	15	RHR
Options*	**Series**	**Function**	**Voltage**	**Roses/ Escutcheons**	**Trim**	**Finish**	**Hand**
For all available options see Pages 45-48	82 R82 78 Mortise Lock	Pages 19-28 for Details	12VDC 24VDC Must be specified for Functions 70, 71, 72 & 73	Pages 10-13 (With R8200, specify "R" for roseless design)	Levers — Pages 8-12 FW Trim — Page 14, Push/Pull Trim — Page 18, Knobs — Page 15	Page 49	RHR RH LHR LH

* Multiple options can be selected

Finishes

Standard Levers & Knobs	BHW Trim	BHL Trim	BHD Trim	Studio Collection Lever Trim	8200 Coastal Series™ Trim and 8200 Freewheeling Trim	7800 Push/Pull Trim	Description	ANSI/ BHMA
03				03	03	03	Polished brass, clear coated	605
04				04	04	04	Satin brass, clear coated	606
09				09	09	09	Polished bronze, clear coated	611
10				10	10	10	Satin bronze, clear coated	612
10B				10B	10B	10B	Oxidized bronze, oil rubbed	613
10BE				10BE	10BE		Dark oxidized satin bronze, equivalent	(613E)
10BL				10BL	10BL		Oxidized satin, bronze, clear coated	614
14				14	14		Polished nickel, clear coated	618
15 *				15 *	15 *		Satin nickel, clear coated	619
20D				20D	20D		Statuary dark bronze, clear coated	624
26				26	26		Polished chrome	625
26D *				26D *	26D *		Satin chrome	626
32	32	32	32	32		32	Polished stainless steel	629
32D *	32D *	32D *	32D *	32D *		32D *	Satin stainless steel	630
BSP				BSP	BSP		Black suede powder coat	—
WSP				WSP	WSP		White suede powder coat	—

* MicroShield® — optional designate SG- option (Available on 15, 26D, and 32D Finishes only)
Split Finishes — specify outside finish first, then inside finish example: US26D (outside) / US04 (inside)

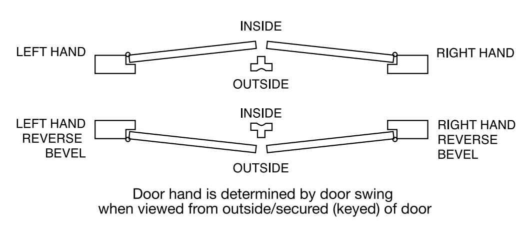
6 Lobe & Spanner Bit packs

Part Number	Descriptions
82-3855	6 Lobe Bit Pack 6 bits
82-3856	(sizes- T8, T9, T10, T15, T20, T25, T27) 9/32" Driver Spanner Bit Pack 5 bits (sizes- 6, 8, 10, 12, 14) 1/4" Driver

Packaging

8205 x LNL	approx. 6.1 lbs. (2.7kg)/box	6 boxes/case
8205 x WTL	approx. 7.2 lbs. (3.1kg)/box	6 boxes/case

Door Handing



Door hand is determined by door swing when viewed from outside/secured (keyed) of door

* Multiple options available
Wrought Box Strike optional — must order with lockset as WBS- option

Electrified Mortise Locks with High Security Monitoring:

The high security monitoring options of our industry-leading Integrated Wiegand locks are now available in a mortise lock that can be used as a stand-alone electrified lock or in conjunction with a wall reader. Every NAC lock is shipped with door position and request to exit monitoring installed. NAC locks ordered with deadbolt are supplied with deadbolt monitoring.

Functions:

If the lock needs to have:	Then select:		
	Series	Type	Function
No key override and no deadbolt			
Fail Safe	NAC-	82	274
Fail Secure	NAC-	82	275
No key override with deadbolt			
Fail Safe	NAC-	82	284
Fail Secure	NAC-	82	285
Key override and no deadbolt			
Fail Safe	NAC-	82	270
Fail Secure	NAC-	82	271
Key override and deadbolt			
Fail Safe	NAC-	82	280
Fail Secure	NAC-	82	281

Description of Functions:

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override: Key outside retracts latch and/or deadbolt when trim is locked electronically
- Deadbolt projected and retracted by thumbturn or key

High Security Monitoring Options

- **Internal End-of-Line Monitoring**

  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate prefix to your order string:

  – **R01:** Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision

  – **R03:** Software House compatible 1KΩ/2KΩ resistance supervision

  – **R04:** AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR-)**

  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.

  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas

  – To order, add the PHR- prefix to your order string

Note: PHR is only available on Fail Secure functions

- **Integrated Door Position Switch (IDP-)**

  – The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.

  – This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.

  – To order, add the IDP- prefix to your order string

Ordering Examples:

R01-IDP-NAC-82271-12V-LN-MD-26D-LHR

R04-PHR-IDP-NAC-82281-24V-LN-MD-26D-RHR

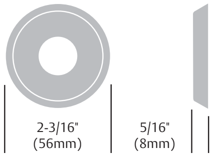
Coastal Series™ & Standard Trim

8200/R8200/7800 Mortise Locks

Coastal Series Roses & Escutcheons

TR Traditional Rose

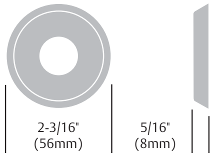
- Dual radii edge



2-3/16"
(56mm)
5/16"
(8mm)

CR Contemporary Rose

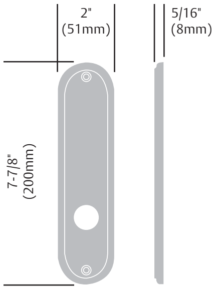
- Beveled edge



2-3/16"
(56mm)
5/16"
(8mm)

TE Traditional Escutcheon

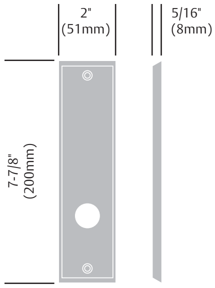
- Dual radii edge



2"
(51mm)
5/16"
(8mm)
7-7/8"
(200mm)

CE Contemporary Escutcheon

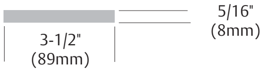
- Beveled edge



2"
(51mm)
5/16"
(8mm)
7-7/8"
(200mm)

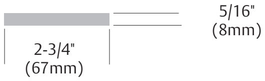
Standard Roses

L Rose



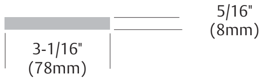
3-1/2"
(89mm)
5/16"
(8mm)

O Rose



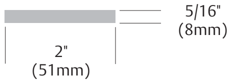
2-3/4"
(67mm)
5/16"
(8mm)

E Rose



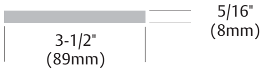
3-1/16"
(78mm)
5/16"
(8mm)

LN Rose



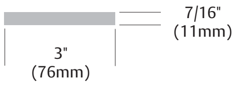
2"
(51mm)
5/16"
(8mm)

SL Rose



3-1/2"
(89mm)
5/16"
(8mm)

BH Rose



3"
(76mm)
7/16"
(11mm)

Coastal Series™ & Standard Levers

8200 Mortise Locks

SARGENT
ASSA ABLOY

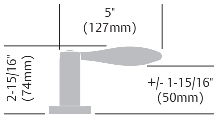
Coastal Series

(8200 & R8200 Series)

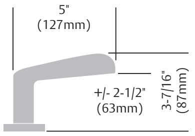
Features

- All levers meet ADA compliance for national codes
- Not available with CO and TO roses
- Levers are solid cast brass
- Finishes available – 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
- All lever height (+/- 1/16") measurements represent total distance from door face

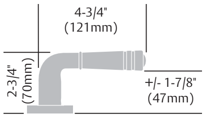
G - Gulfport™
(Handed)


5"
(127mm)
2-15/16"
(74mm)
+/- 1-15/16"
(50mm)

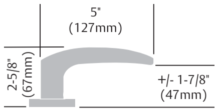
S - Sanibel™
(Handed)


5"
(127mm)
+/- 2-1/2"
(63mm)
3-7/16"
(87mm)

R - Rockport™


4-3/4"
(121mm)
2-3/4"
(70mm)
+/- 1-7/8"
(47mm)

Y - Yarmouth™
(Handed)


5"
(127mm)
2-5/8"
(67mm)
+/- 1-7/8"
(47mm)

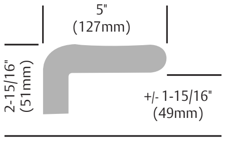
Standard Levers

(8200 Series Only)

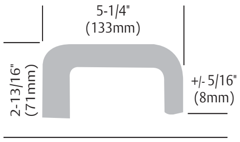
Features

- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

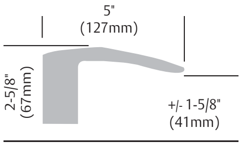
A
(Handed)


5"
(127mm)
2-15/16"
(51mm)
+/- 1-15/16"
(49mm)

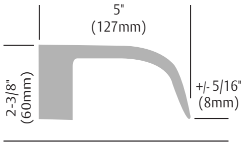
J


5-1/4"
(133mm)
2-13/16"
(71mm)
+/- 5/16"
(8mm)

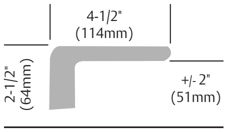
B


5"
(127mm)
2-5/8"
(67mm)
+/- 1-5/8"
(41mm)

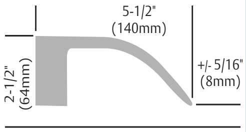
L


5"
(127mm)
2-3/8"
(60mm)
+/- 5/16"
(8mm)

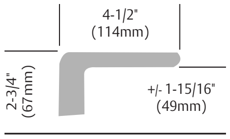
E

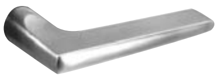

4-1/2"
(114mm)
2-1/2"
(64mm)
+/- 2"
(51mm)

P

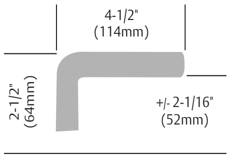

5-1/2"
(140mm)
2-1/2"
(64mm)
+/- 5/16"
(8mm)

F


4-1/2"
(114mm)
2-3/4"
(67mm)
+/- 1-15/16"
(49mm)



W


4-1/2"
(114mm)
2-1/2"
(64mm)
+/- 2-1/16"
(52mm)

ACCENTRA
ASSA ABLOY

Experience a safer
and more open world

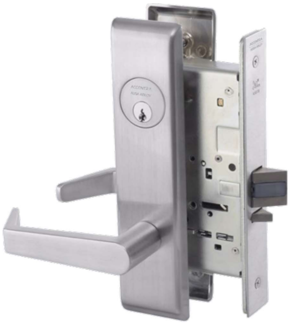
8800 SERIES

ANSI/BHMA Grade 1 Certified Mortise Locks

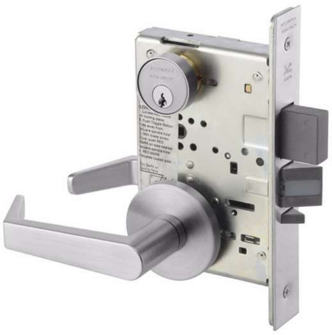
FEATURES

Features

- UL Cycle above and beyond test completed at 12.3 Million Cycles. Verification ID: V572228
- Heavy-duty trim for resistance against damage and vandalism
- Functions available for any industrial or commercial application
- Field adjustable lever handing and latchbolt
- ANSI/BHMA Certified Grade 1 for long-life and durability
- UL/cUL listed for 3 hour fire rated doors
- 10 year mechanical warranty
- Available in a variety of attractive trims and finishes
- Status indicator options available to provide peace of mind on the locked/unlocked status of a door



Escutcheon Trim



Rose/Sectional Trim

Applications

- Offices
- Shopping centers
- Industrial buildings
- Commercial facilities

Specifications

Armor Front	8" x 1-1/4"
Backset	2-3/4" only
Case	Wrought steel, zinc dichromated
Deadbolt	1" throw, cast stainless steel.
Door Thickness	1-3/4" standard, available for up to 3-1/4" thick doors
Handing	Field reversible
Hubs	3/8" solid steel, fine-blanked and heat treated for additional strength
Latchbolt	3/4" throw, stainless steel one-piece anti-friction
Strike	1-1/4" (model 2815) curved lip strike standard, see page 40 for additional options.

SL8800

For more heavy-duty applications, the SL8800 Series Mortise Lock offers an extra measure of security. The SL8800 is ideal for situations where heavy abuse or vandalism might be a concern. The SL8800 is available in most mortise lock functions; please see pages 12-17 for more information. 630 finish only.

Available with the following lever designs: AR, AU, CR, JN, MO, PB, VI

Features

- Heavy duty escutcheon trim that is flat against the door to resist damage and vandalism
- Lever attached directly to escutcheon for added security
- Thrubolted security head screws offer added protection

Applications

- Schools
- Minimum security prisons
- High crime areas

FINISHES

The 8800 Series Mortise Lock is available in the finishes below. All knobs, lever handles, roses, escutcheons, cylinder collars and other exposed parts are fabricated of either brass, stainless steel or zinc and will be compatible with the finish ordered. When ordering, specify the finish required by the ANSI/BHMA Code Number only. When locksets are ordered with different trim finishes on each side, specify the outside finish first, i.e. AUR8817-2 x 612 x 625. The front and strike finish will match the inside finish unless specified otherwise.

ANSI/BHMA Code Finish Description				
605 Bright Brass, Clear Coated	**606 Satin Brass, Clear Coated**	**611 Bright Bronze, Clear Coated**	**612 Satin Bronze, Clear Coated**	**613E Dark Oxidized Satin Bronze - equivalent**
●	●	●	●	●
618 Bright Nickel Plated, Clear Coated	**619* Satin Nickel Plated, Clear Coated**	**625 Bright Chrome Plated**	**626* Satin Chrome Plated**	**629 Bright Stainless Steel**
●	●	●	●	●
630* Satin Stainless Steel	**693 Black Painted**	**BSP Black Suede Powder Coat**	**WSP White Suede Powder Coat**	
●	●	●	●	

Notes:

HA lever available in only the following finishes: 605, 619, 625, 626.

SL escutcheon trim available in 630 finish only.

Reflections® decorative levers are NOT available in the following finish: 693.

*Finish available with MicroShield® antimicrobial coating, additional finishes by special application. Consult factory for availability.

MicroShield coating may vary finish color from architectural standards. MicroShield is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY ACCENTRA™ makes no representations or warranties, express or implied, as to the efficacy of MicroShield.

ADA

The 8800 meets accessibility guidelines of the Americans with Disabilities Act and the requirements of the Uniform Federal Accessibility standards and ANSI 117.1, all requiring ease of accessibility.

ANSI/BHMA

Certified ANSI/BHMA A156.13, Series 1000, Operational Grade 1 (8800FL with CN escutcheon & SL8800 meet Security Grade 1).

Bevel Front

ACCENTRA 8800 series fronts are free-floating to adjust from flat to the standard bevel of 1/8" in 2".

Door Thickness

8800 Series Mortise Locks are supplied as standard for 1-3/4" thick doors. For other than standard, specify the door thickness on the order: (i.e. 2", 2-1/4", etc.)

Installation

ACCENTRA 8800 Series sectional and escutcheon trims feature thrubolted installation. Outside trim is held in place by threaded posts. For sectional trims, the posts fit through holes in the lock case and are secured by thrubolts from the inside trim. For escutcheon trims, the posts fit through the door and are secured by thrubolts from the inside trim. The posts fit through holes in the door, above and below the lock case, and are secured by thrubolts from the inside trim.

ISO 9001

Designed and manufactured under a certified ISO 9001 quality system.

Lead Shielding

All ACCENTRA 8800 Series Mortise Locks are available with a lead shield for installation in lead-lined doors. To order, suffix the lockset model number with “lead-lined.”

Knurled Designs

Where required by the local authority, trim can be knurled to be identifiable to the touch for blind persons. CO knob design and all lever designs except HA and Reflections® trim may be ordered knurled.

Only the outside knob or lever will be knurled or abrasive coated unless specified otherwise. To order a complete lockset knurled or abrasive coated, suffix the lockset model number with one of the following codes, i.e AUCN x 8807FL x 626 x KNB.

Option	Description
KNB	Knurled both sides
KNI	Knurled inside only
KNO	Knurled outside only
ABCB	Abrasive coating both sides
ABCI	Abrasive coating inside only
ABCO	Abrasive coating outside only

Underwriters Laboratories (UL/cUL)

ACCENTRA 8800 Series Mortise Locks have been listed by Underwriters Laboratories Inc. for use on fire doors having a rating up to and including 3 hours and for use on 20 minute wood doors. This pertains to single swing doors not exceeding 4 feet in width and 8 feet in height and in doors mounted in pairs not exceeding 8 feet in either direction (unless otherwise noted in the individual listings.)

In general, single-point mortise locks or latches with 3/4" minimum latch throw are intended for the active leaf of doors mounted in pairs, with the inactive leaf provided with top and bottom flush or surface bolts of the manual, automatic, or self-latching type. The door Classification Marking specifies the minimum latch throw required for the individual door.

ACCENTRA 8800 Series Mortise Locks with 3/4" throw latchbolts may also be used on single swing doors rated 1-1/2 hours or less, up to 4 feet in width and 9 feet in height. This is in addition to the rating mentioned above. All 8800 Series Mortise Locks with Lever Handle Trim are UL listed for fire door applications. Underwriters Laboratories does not list locks with rabbeted fronts, locks with deadbolt only, or locks with hold-back feature on the latchbolt.

Note: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and ASSA ABLOY ACCENTRA™ makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Warranty

ACCENTRA 8800 Series mechanical mortise locks are protected by a ten (10) year warranty and 8800 Series electrified mortise locks have a two (2) year warranty.

Windstorm

Hurricane

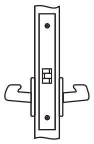
Certified (refer to local codes).

MECHANICAL FUNCTIONS

8801 Passage Or Closet Latch (F01)

- For doors that do not require locking
- Latchbolt retracted by knob/lever either side at all times

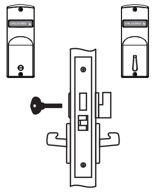
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8801K	8801FL	3/4"
SL	—	SL8801FL	3/4"
Reflections®	—	8801RL	3/4"



8802 Privacy, Bedroom Or Bath Lock (F19)

- Latchbolt retracted by knob/lever either side
- Deadbolt operated by thumbturn inside
- When the deadbolt is projected, outside knob/lever is automatically locked
- Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously, automatically unlocking outside knob/lever.
- In emergency, deadbolt may be unlocked from outside by E203 emergency key, supplied

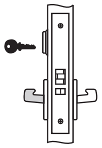
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8802K	8802FL	3/4"	1"
SL	—	SL8802FL	3/4"	1"
Reflections®	—	8802RL	3/4"	1"



8805 Storeroom Or Closet Lock (F07)

- For use on storeroom, utility, exit doors
- Latchbolt retracted by key outside, knob/lever inside
- Outside knob/lever rigid at all times
- Inside knob/lever always active
- Deadlocking latchbolt

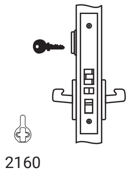
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8805K	8805FL	3/4"
SL	—	SL8805FL	3/4"
Reflections®	—	8805RL	3/4"



8807 Entry Lock (F04)

- For office doors where locking is required
- Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by stopwork activator
- When outside knob/lever is locked, latchbolt is operated by key outside and knob/lever inside
- Deadlocking latchbolt

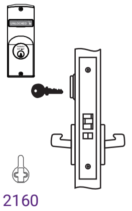
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8807K	8807FL	3/4"
SL	—	SL8807FL	3/4"
Reflections®	—	8807RL	3/4"



8808 Classroom Lock (F05)

- For classroom, office, or utility room doors
- Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by key
- Inside knob/lever always active
- Latchbolt can be retracted by key when outside knob/lever is locked
- Operating inside knob/lever retracts latchbolt, but outside knob/lever remains locked
- Deadlocking latchbolt

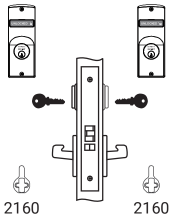
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8808K	8808FL	3/4"
SL	—	SL8808FL	3/4"
Reflections®	—	8808RL	3/4"



8808-2 Intruder Latchbolt Lock (F32)

- Latchbolt retracted by knob/lever either side unless outside knob/lever is locked by key
- Either cylinder locks or unlocks outside knob/lever
- Latchbolt can be retracted by key when outside knob/lever is locked
- Operating inside knob/lever retracts latchbolt, but outside knob/lever remains locked
- Deadlocking latchbolt

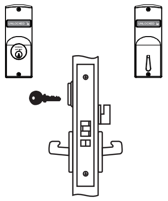
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8808-2K	8808-2FL	3/4"
SL	—	SL8808-2FL	3/4"
Reflections®	—	8808-2RL	3/4"



8809 Classroom Or Office Lock

- Latchbolt retracted by knob/lever either side unless outside knob/lever is locked by key outside or thumbturn inside
- Latchbolt retracted by thumbturn inside or key outside
- Inside knob/lever always active
- Deadlocking latchbolt

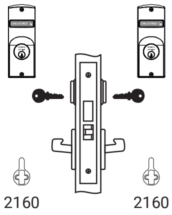
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8809K	8809FL	3/4"
SL	—	SL8809FL	3/4"
Reflections®	—	8809RL	3/4"



8811-2 Intruder Deadbolt Lock (F33)

- Latchbolt retracted by knob/lever either side unless outside knob/lever is locked by key
- Deadbolt operated by key either side
- When deadbolt is projected, outside knob/lever is automatically locked
- Key retraction of deadbolt unlocks outside knob/lever
- Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously, automatically unlocking outside knob/lever.

Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8811-2K	8811-2FL	3/4"	1"
SL	—	SL8811-2FL	3/4"	1"
Reflections®	—	8811-2RL	3/4"	1"



Indicator options available for both sectional and escutcheon trim.

Cylinder cam required.

Indicates rigid knob/lever.

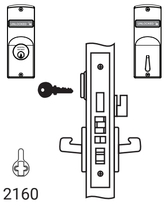
MECHANICAL FUNCTIONS

8847 Apartment Corridor Door Lock (F20)

- Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by stopwork activator
- Deadbolt operated by key outside, thumbturn inside
- When outside knob/lever is locked, latchbolt and deadbolt are operated by key outside
- When deadbolt is projected, outside knob/lever is automatically locked
- Anti-panic operation. Operating inside knob/lever automatically retracts latchbolt and deadbolt with outside knob/lever remaining locked.
- Deadlocking latchbolt

Note: Indicator shows deadbolt position only

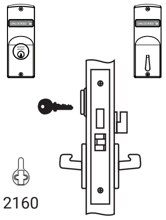
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8847K	8847FL	3/4"	1"
SL	—	SL8847FL	3/4"	1"
Reflections®	—	8847RL	3/4"	1"



8860 Room Door Lock (F21)

- Latchbolt retracted by knob/lever either side
- Deadbolt operated by key outside, thumbturn inside

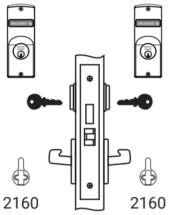
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8860K	8860FL	3/4"	1"
SL	—	SL8860FL	3/4"	1"
Reflections®	—	8860RL	3/4"	1"



8860-2 Store Door Lock (F14)

- Latchbolt retracted by knob/lever either side
- Deadbolt operated by key both sides

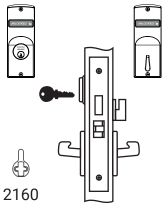
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8860-2K	8860-2FL	3/4"	1"
SL	—	SL8860-2FL	3/4"	1"
Reflections®	—	8860-2RL	3/4"	1"



8861 Dormitory Or Storeroom Lock

- Latchbolt retracted by knob/lever either side
- Deadbolt operated by key outside, thumbturn inside
- When deadbolt is projected, outside knob/lever is automatically locked
- When deadbolt is retracted, outside knob/lever is automatically unlocked

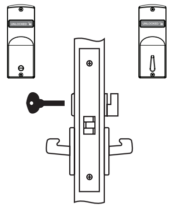
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8861K	8861FL	3/4"	1"
SL	—	SL8861FL	3/4"	1"
Reflections®	—	8861RL	3/4"	1"



8862 Privacy, Bedroom Or Bath Lock (F22)

- Latchbolt retracted by knob/lever either side except when outside knob/lever is locked by thumbturn
- Operating inside knob/lever retracts the latchbolt, automatically unlocking outside knob/lever
- Outside emergency release unlocks outside knob/lever. E203 emergency key supplied
- Automatically unlocks when door latches

Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8862K	8862FL	3/4"
SL	—	SL8862FL	3/4"
Reflections®	—	8862RL	3/4"

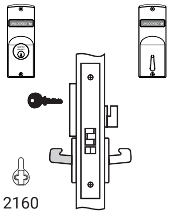


8864 Bathroom Lock With Indicator

- Latchbolt retracted by key outside, knob/lever inside
- Indicator operated by thumbturn inside, key outside
- When indicator shows red with a locked padlock icon, key outside will operate indicator and retract latchbolt
- Outside knob/lever rigid at all times
- Inside knob/lever always active
- Deadlocking latchbolt
- Function only available with CO, R6, R7, R8 roses or CN escutcheon

Note: CIND indicator provided standard. V series indicators must be specified by option code.

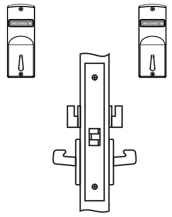
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8864K	8864FL	3/4"
Reflections®	—	8864RL	3/4"



8865 Bathroom Lock

- Latchbolt retracted by knob/lever either side except when outside knob/lever is locked by thumbturn either side
- Outside thumbturn unlocks outside knob/lever
- Automatically unlocks when door latches
- Operating inside knob/lever retracts the latchbolt, automatically unlocking outside knob/lever

Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8865K	8865FL	3/4"
SL	—	SL8865FL	3/4"
Reflections®	—	8865RL	3/4"

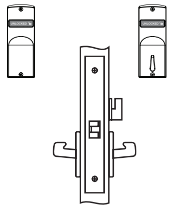


8866 Passage Lock With Indicator

- For doors with indicator that do not require locking
- Latchbolt retracted by knob/lever either side at all times
- Throwing thumbturn on inside changes state of status indicator
- Rotating either knob/lever returns indicator to previous state

Note: Only available with "V" series indicators. Indicator option code must be specified with this function

Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8866K	8866FL	3/4"
Reflections®	—	8866RL	3/4"



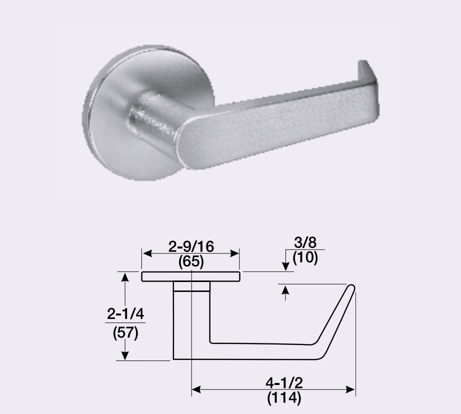
Indicator options available for both sectional and escutcheon trim.

Cylinder cam required.

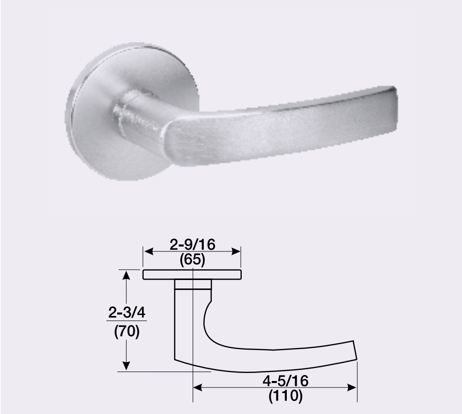
Indicates rigid knob/lever.

TRIM DESIGNS

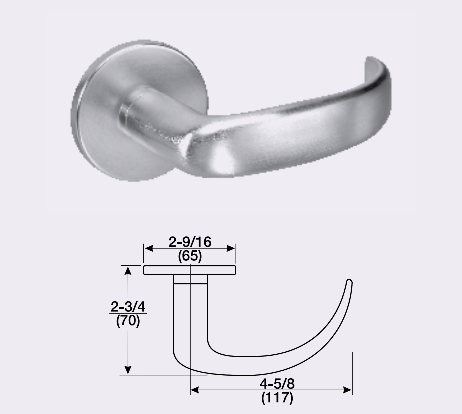
AUGUSTA AUR
AU Lever Handle: Cast


2-9/16
(65)
3/8
(10)
2-1/4
(57)
4-1/2
(114)

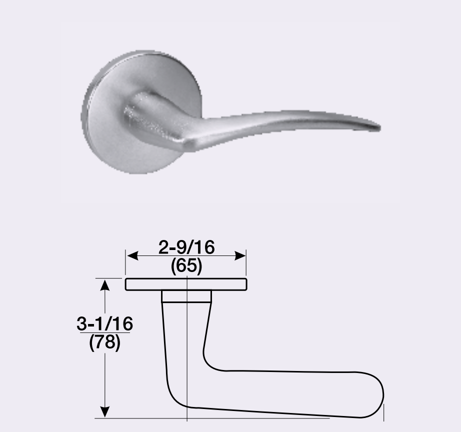
MONROE MOR
MO Lever Handle: Cast


2-9/16
(65)
2-3/4
(70)
4-5/16
(110)

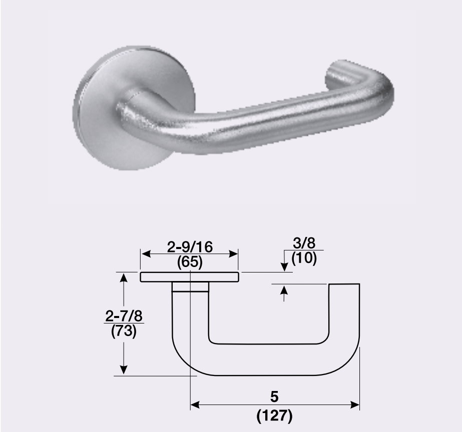
PACIFIC BEACH PBR
PB Lever Handle: Cast


2-9/16
(65)
2-3/4
(70)
4-5/8
(117)

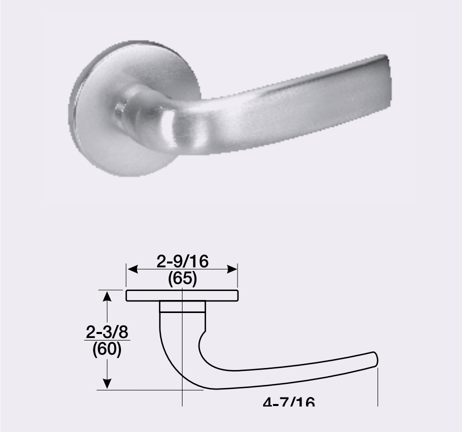
ARCADIA ARR
AR Lever Handle: Cast


2-9/16
(65)
3-1/16
(78)

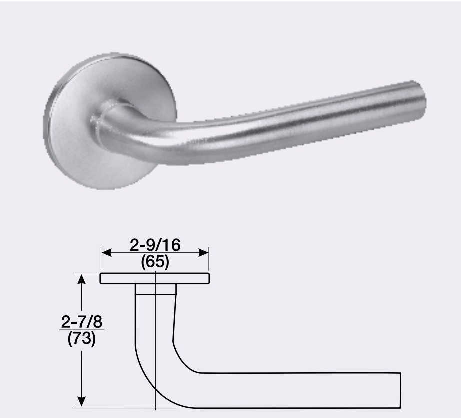
CARMEL CRR
CR Lever Handle: Cast


2-9/16
(65)
3/8
(10)
2-7/8
(73)
5
(127)

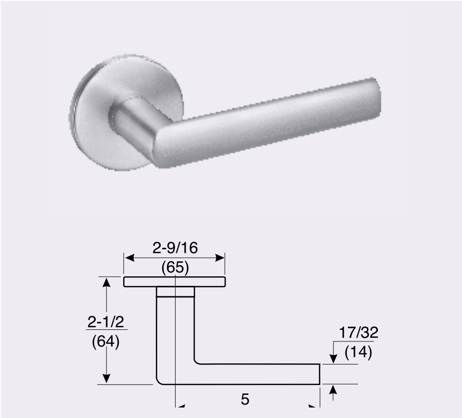
JEFFERSON JNR
JN Lever Handle: Cast


2-9/16
(65)
2-3/8
(60)
4-7/16

PINEHURST PNR
PN Lever Handle: Cast


2-9/16
(65)
2-7/8
(73)

VIRGINIA VIR
VI Lever Handle: Cast


2-9/16
(65)
2-1/2
(64)
17/32
(14)
5

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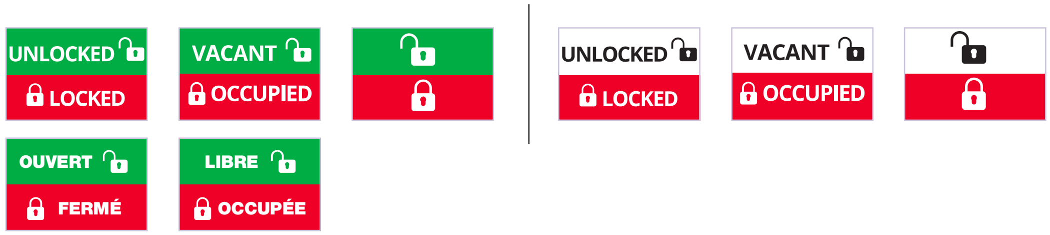
Indicator Option Codes

8800 Series indicator option codes are designed to convey wording, color and side of door desired in one simple code. To order, specify option code for complete locksets and/or retrofit/upgrade trim kits.



Single Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V10	Unlocked/Locked	No Indicator	Green/Red
V10F	Ouvert/Fermé	No Indicator	Green/Red
V20	Vacant/Occupied	No Indicator	Green/Red
V20F	Libre/Occupée	No Indicator	Green/Red
V30	Icons Only	No Indicator	Green/Red
V40	Unlocked/Locked	No Indicator	White/Red
V50	Vacant/Occupied	No Indicator	White/Red
V60	Icons Only	No Indicator	White/Red
V01	No Indicator	Unlocked/Locked	Green/Red
V01F	No Indicator	Ouvert/Fermé	Green/Red
V03	No Indicator	Icons Only	Green/Red
V04	No Indicator	Unlocked/Locked	White/Red
V06	No Indicator	Icons Only	White/Red

Double Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V11	Unlocked/Locked	Unlocked/Locked	Green/Red
V11F	Ouvert/Fermé	Ouvert/Fermé	Green/Red
V21	Vacant/Occupied	Unlocked/Locked	Green/Red
V21F	Libre/Occupée	Ouvert/Fermé	Green/Red
V33	Icons Only	Icons Only	Green/Red
V44	Unlocked/Locked	Unlocked/Locked	White/Red
V54	Vacant/Occupied	Unlocked/Locked	White/Red
V66	Icons Only	Icons Only	White/Red

Engraving			
Option Code	**Outside**	**Inside**	**Wording**
EMA	Engraving	No Engraving	"Lock" with arrow
EMB	No Engraving	Engraving	"Lock" with arrow
EMC	Engraving	Engraving	"Lock" with arrow

Product Catalog

SARGENT®
ASSA ABLOY

80 Series
Exit Device

ASSA ABLOY, the global leader
in door opening solutions

Windstorm Certifications

80 Series

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 80 Series lock.

Florida Building Code: FL2998

UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication 320 (2014)	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only.
FEMA Publication 361 (2015)	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only.
ICC 500 (2014)	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Cylinder Information for Exit Devices

Cylinder Chart: **Exit Device Series x Function**		**ET Trim** **(700 Series Auxiliary Control)**		**PTB, PSB, STS, MAL, MSL, FLL, FSL, FLW, FSW**	
	Door Thickness	**1-3/4"** (44mm)	**2-1/4"** (57mm)	**1-3/4"** (44mm)	**2-1/4"** (57mm)
Narrow Stile Mortise Exit Device	8304	46	48	41	43
	8313/8343	41	41	Not Available	
	8344	46	48	Not Available	
	8363	Not Available		41	43
	8375/8376	46	48	Not Available	
Narrow Stile CVR Exit Device	All 8400	41	41	Not Available	
Narrow Stile Rim Exit	8504	34	34	Not Available	
	8513/8543	41	41	Not Available	
Concealed Vertical Rod Exit Devices	All LP/LR/LS8600	41	Not Available		
	All SP/PP/PR8600	41	Not Available		
	All AD, MD & WD8600	41	41	Not Available	
Surface Vertical Rod Exit Devices	8706/8713/8743/8746	41	41	Not Available	
	8762/8763	Not Available		34	34
	All SP/PP/PR8700	41	N/A	Not Available	
Rim Exit Devices	8804	34	34	34	34
	8806/8813/8843/8846	41	41	Not Available	
	8816	34/*44	34/*44	Not Available	
	8844	34	34	Not Available	
	8863	Not Available		34	34
	8866	Not Available		34/*44	34/*44
	8875/8876/8877	34	34	Not Available	
Mortise Lock Exit Devices	8904	46	48	41	43
	8913/8943	41	41	Not Available	
	8916	*34/46	*34/48	Not Available	
	8944	46	48	Not Available	
	8963	Not Available		41	43
	8966	Not Available		*41/34	*43/34
	8975/8976	46	48	Not Available	

* Inside Cylinders

Chart shows cylinder type and size for conventional SARGENT cylinders.

Note: Cylinder sizes & types are limited, as noted: SC- & SE- cylinders are available in size 41
60-, 63- & 64- cylinders are available in sizes 42, 43, 44 & 46
70-, 11-70-, 72-, 11-72-, 73- & 11-73 cylinders are available in sizes 43 & 46

Note: The 8888's Lever & Rose Trim cylinder standard is the standard SARGENT 10 Line cylinder (13-3266)

Note: 41 Cylinder is 1-1/8" in length; For each additional digit, the cylinder is a 1/8" longer. Example: 42 is 1-1/4"; 43 is 1-3/8" and 46 is 1-3/4"

Note: SARGENT supplies standard blocking rings. Specify if using competitor cylinders

Mullions: Aluminum, Steel and Electrified

80 Series

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"	96"	96"
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
Description	Electrical Lockable
Material	Steel
Standard Finish	Gray Paint
Options	Wall Mounting Kit: 98-2580 Top Ret Pack :98-2559
Stk Size	96"
Max Stk Height	120"
Pre-prepped	No
Cylinder Size	#46 Only
Shape	Rectangular 2" x 3"
Misc. Information and Accessories	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	96"	96"	96"	96"	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.	Fire rated for 8'0" x 8'0" paired openings	See Notes Below	12-HD980 is for pair of doors over 8'0" to 10'0" for use with 2-8800 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 ottom Ret Pack - 98-2600 op 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

Mullion Accessories and Stabilizers

80 Series

Mullion Accessories

RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion

651 Mullion Stabilizer Kit

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

980C1 Cylinder Mullion Kit

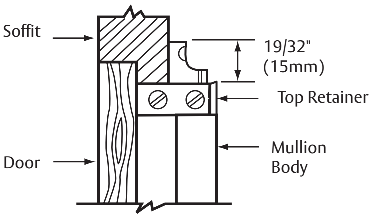
- Lockable mullions only
- Aluminum and steel
- Includes cylinder and collar
- Available in 26D & 10B finish

980C2 Cylinder Mullion Kit

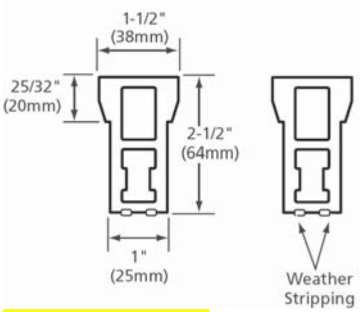
- Lockable mullions
- Electrified only
- Includes cylinder and collar
- Available in 26D finish only

507 Narrow Transom Bars Adapter

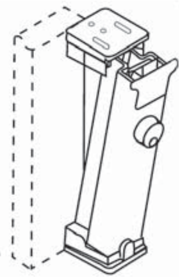
- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide
- Order as a: 507 for 980 mullion or 507A for 980A mullion



650A Mullion



Lockable Mullion

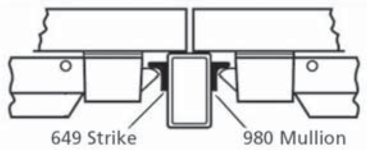


Mullion Weights & Packaging

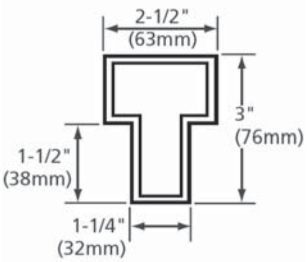
Product	Avg Wt	Case
Exit Device with Trim	15 lbs	1 ea
980 Mullion	18 lbs	1 ea
12-980 Mullion	40 lbs	1 ea
650A Mullion	18 lbs	1 ea

980S Mullion Application

- All steel mullions are 2" x 3"



980 Mullion & L980 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.

Mechanical Options and Descriptions

80 Series

Mechanical Options:

Categories	How to Specify	Detailed Description
Fire Rated	**12-**	UL Fire Label Exit hardware (not available with 16- & HK-)
SVR Bolt	**14-**	Sliding bolt bottom case for 8700
Cylinder Dogging	**16-**	Cylinder lockdown with # 41 Cylinder & # 97 Ring (not available with 12-, 57, 59-, AL- or BT- Option)
	LD-	Less dogging for non fire rated devices
Less Touch Pad	**19-**	Pushbar without Lexan touchpad (not available TL-)
8900/8300 Strike	**23-**	4-7/8" (124mm) ANSI flat lip strike (for 8900 & 8300 Series Mortise Lock Exit Devices)
Thick Doors	**31-**	Doors over 1-3/4" and/or Panels (Specify door thickness, panel thickness & location as required) Not available for HC8700, FM8700, PP, PR & SP8700, PP, PR & SP8600, LP, LR & LP8700 Extended lip strike supplied for 8300 & 8900 Series
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Flush End cap	**43-**	Flush End Cap (Not available with LP, LR & LS Devices)
Indicator	**49-**	Indicator (Available on 8816 and 8866 functions only)
Electrical Options	**53-**	Latchbolt monitoring switch (not available with 59-, GL-, HC-, WS- or on FM8700, PP/PR/SP8600 & LP/LR/LS8600 Exit Devices)
	54-	Monitors ET Lever movement with Internal micro switch in ET Control
	55-	Request to Exit - Signal Switch in Rail (not available with 59- & FM8700)
	56-	Remote Latch Retraction (not available 57-, 58-, 59-, AL- or BT- Option)
	56-HK-	Remote Latch Retraction with manual Hex Key dogging (not available 12-, 57-, 58-, 59-, AL- or BT- Option)
	57-	Delayed Egress (Electromagnetic Lock required & purchased separately) (not available 16-, 53-, 56-, 56-HK, 58-, 59-, AL, Bc-59 - or BT, GL, TL Prefixes) (NB, 54- are available on request)
	58-	Electric Rail Dogging (Not available 56- & 59-)
	59-	Electroguard® Self Contained Delayed Egress Device (not available with 16-, 53-, 55-, 56-, 57-, 58-, AL-, BT-, GL-, HC- & WS Option Prefixes, PP/PR/SP8600, LP/LR/LS8600 Exit Devices) (NB, 54- are available upon request)
	AL-	Alarmed Exit (Not available 16-, 56-, 57-, 59-, BT-, GL-, HC- & WS-)
	BC-59-	Electroguard® Boca Code (Door Status Switch required) (not available with 16-, 55-, 56-, 57-, 58-, AL-, BT-, GL-, HC- & WS- Options and on NB8700, PP/PR/SP8600 & LP/LR/LS8600 Exit Devices)
	TL-	SARGuide Electro-Luminescent Touchpad (not available 19-, 85-, 87- & PL-)
Tactile Warning Options	**76-**	Tactile Warning - Milled Outside Lever (not available with Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive strip on Push Rail (Not available with PL- & TL-)
	86-	Tactile Warning - Abrasive coating on Outside Lever
	87-	Tactile Warning - Abrasive strip on Push Rail & Abrasive coating on Outside Lever (not available with PL- & TL-)
Finish Protection	**CPC-**	Clear Powder Coat (Available for 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Top Rod Only	**NB-**	Less Bottom Rod & Bolt (for SVR & CVR Devices)
Guarded Latch	**GL-**	Guarded Latch for Rim Exit Devices (not available 53-, 56-, 59-, AL-, HC- & WS-)
SARGuide	**PL-**	SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (not available 85, 87 & TL-)
Through Bolts	**TB-**	Through Bolts for 8300, 8500, 8600, 8700, 8800 & 8900 Devices
Rail Force	**5CH-**	5lb. Pressure Release (8800 only)

Cylinder Options and Descriptions

80 Series

Cylinder Options:

Conventional Cylinder	-	SARGENT Conventional Cylinders Supplied Standard (Unless Otherwise Specified)
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-65	Degree Level 3 Unassembled/Uncombined Core
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature- LFIC	**10-63-**	SARGENT Signature Large Format Interchangeable Core Cylinder (Removable)
XC- Key System	**11-**	XC Key System (Not available with other Key systems unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-**	Device to accept XC- Permanent Large Format Interchangeable Core, Disposable plastic Core- provided
	11-63-	Device provided with XC- Large Format Interchangeable Core Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Device provided with Keyed construction core to accept XC- Permanent Large Format Interchangeable Core (ordered separately)
XC- Small Format Interchangeable Core	**11-70-7P-**	Device to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Device to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Device provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Device provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
Large Format Interchangeable Core (Removable Core)	**60-**	Device to accept SARGENT Permanent Large Format Interchangeable Core, Disposable plastic Core provided (Permanent Cores ordered separately)
	63-	Device provided with Large Format Interchangeable Core Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Device provided with Keyed construction core to accept Permanent Large Format Interchangeable Core (ordered separately)
Small Format Interchangeable Core	**70-**	Device to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Device to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Device provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Device provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	65-73-7P-	Device provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	73-7P-	Device provided with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	**81-**	Device provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Device provided with SARGENT Keso Security Cylinder
	F1-82-	Device provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Device provided with SARGENT Keso Security Removable Core cylinder
	F1-83-	Device provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Device provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Added Security	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" Cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted (not available with: 8904, 8916, 8944, 8975, 8976, 8866, 8304, 8344, 8375 & 8376)
	SE-	Schlage E keyway cylinder, 0 bitted (not available with: 8904, 8916, 8944, 8975, 8976, 8866, 8304, 8344, 8375 & 8376)
Lever to Accept Schlage	**SF-**	L Lever to accept MEDECO KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (Supplied Less Cylinder, but with tailpiece needed) (Available for 88-KLL & 88-CLL)

Note: For V-10 Cylinders and information, contact ASSA

8800 Rim Exit Device

80 Series

8800 Series

Rim Exit Device

8800 Features

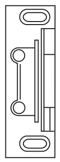
- Designed for standard width stile applications on wood and metal doors
- Also available as an HC8800 or WS8800 for hurricane-resistant applications, see Hurricane-Resistant section of this catalog
- Single point rim latching device
- Single door & double door applications with mullions
- Quiet operation and solid security
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed

Specifications	8800 Series Rim Exit Device
Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2 1/4" thick, specify thickness and order as 31-
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	649 Standard Black Nylon Coated
Optional Strikes	642, 644 and 613
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide Photoluminescent Coated TL- SARGuide Illuminated Touchpad
	49- Indicator 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Latch Bolt	Stainless steel, 3/4" (19mm) throw
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54 mm)
Fire Exit Hardware	See Chart – Page 6

49- Lock/Unlock Indicator Option

- Displays whether the door has been secured by the inside cylinder.
- Red icon indicates locked
- White icon indicates unlocked
- Dogging overrides 49- functionality (must order less dogging)
- Available on 8816 and 8866 functions only

649 Strike



- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated

688 Trim Retrofit Kit

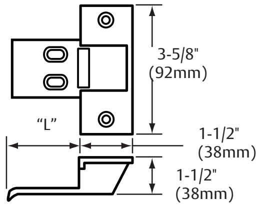
- 688 Trim Retrofit kit allows an 8800* Series rim exit with an ET to replace Von Duprin's 98/99 Series exit with trim with minimal door prep.

* Except for 16 function

- Order as: 688 Kit

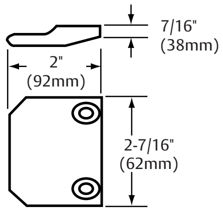
Alternate Strikes For 8800 Rim Devices

642 Strike



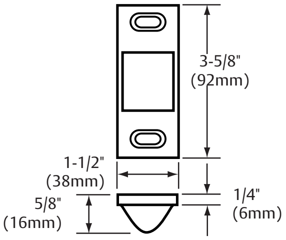
- Mortised. Dimension "L" equals door thickness plus 1/2" (13mm). Black nylon coated on lip only

644 Strike



- Surface applied. For use on pairs of doors without mullion. Ductile Iron. Black nylon coated

613 Strike



- Half mortised. Black nylon coated

8800 Functions and Trims

80 Series

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
F1-83-56	88	13	F	ETL	RHR	26D	32D	36"

700 Series ET Trim

Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

8800 Series: 704, 706-8, 710, 713-8, 715-8, 716, 740, 743-8, 744, 746-8, 773-8, 774-8, 775-8 & 776-8

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73, 74, 75 and 76. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 1 8800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	8804 x ET_
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8806 x ET_
10	01	No outside operation (No Cylinder)	8810
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	8810 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8813 x ET_
15	14	Passage Only (No cylinder)	8815 x ET_
16	10	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 Cylinder & I/S #44 Cylinder Supplied	8816 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	8840 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8843 x ET_
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	8844 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8846 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)	8873 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)	8874 x ET_
75		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #34 Cylinder Supplied	8875 x ET_
76		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied	8876 x ET_

Note: 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

Pull & Thumbpiece Trim Section

Trim Designations

- Use three letter designations (Ex "PTB") when ordering the Exit Device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish

Series

8800
Panic & Fire

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)							8800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STS	862 Pull	8804 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	862 Pull	8810 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	N/A	8828 x Trim Designation
63	05	Key Outside Unlocks/ Locks Thumbpiece #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	N/A	8863 x Trim Designation
66	07	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 & I/S #44	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	N/A	8866 x Trim Designation

* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls except for cylinder hole located 3/8" (9mm) lower.
Note: Thumbpiece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately.
Note: FLW & FSW trims are not available in 32(629) or 32D(630).
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D.

Options

8800

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
57-
58-
59-
5CH-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
GL-
LD-
PL-
** SG-
TB-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
*SC-
*SE-

* Options are not available with 8816
** Only available with 15, 26D and 32D finishes

Available Finishes

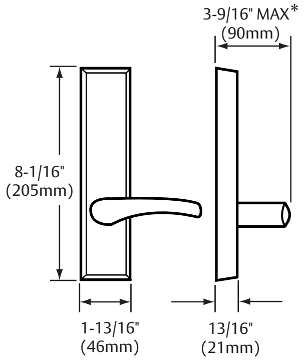
SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	614
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

ET Trim, Levers and Pulls

80 Series

ET Lever Controls

♿

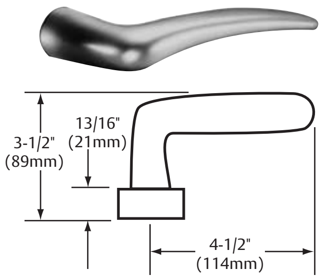

3-9/16" MAX*
(90mm)
8-1/16"
(205mm)
1-13/16"
(46mm)
13/16"
(21mm)

*Projection varies by lever design. 2-1/2" (63mm) projection with L Lever

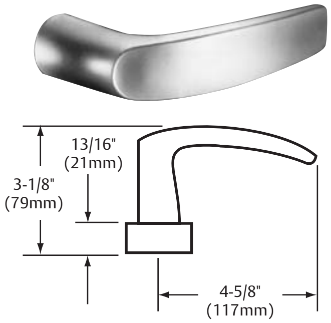
Note: ET suffixes required when ordering ET trim without an exit device, see page 74 for complete details

A Lever

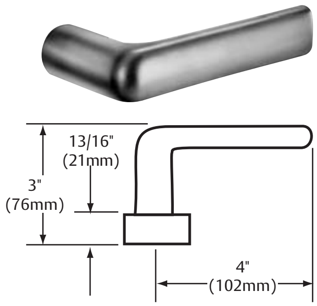
- Handed


3-1/2"
(89mm)
13/16"
(21mm)
4-1/2"
(114mm)

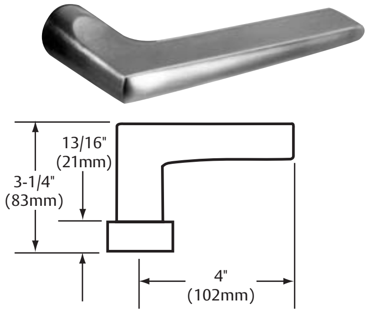
B Lever


3-1/8"
(79mm)
13/16"
(21mm)
4-5/8"
(117mm)

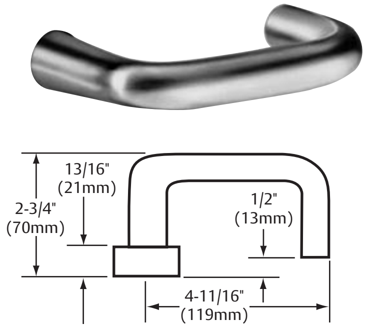
E Lever


3"
(76mm)
13/16"
(21mm)
4"
(102mm)

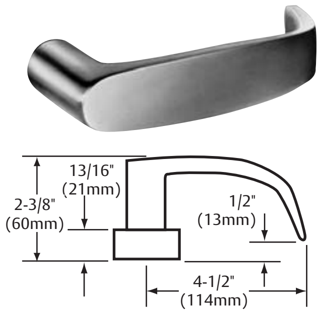
F Lever


3-1/4"
(83mm)
13/16"
(21mm)
4"
(102mm)

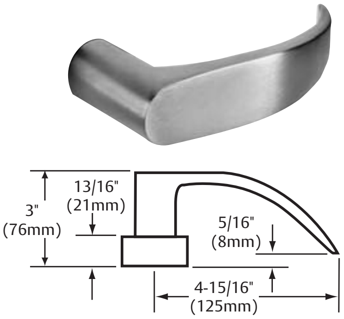
J Lever*


2-3/4"
(70mm)
13/16"
(21mm)
1/2"
(13mm)
4-11/16"
(119mm)

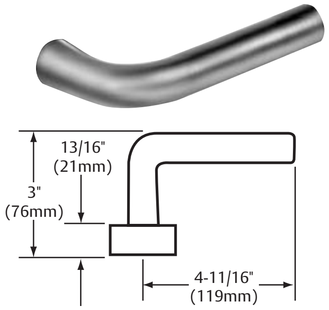
L Lever*


2-3/8"
(60mm)
13/16"
(21mm)
1/2"
(13mm)
4-1/2"
(114mm)

P Lever*


3"
(76mm)
13/16"
(21mm)
5/16"
(8mm)
4-15/16"
(125mm)

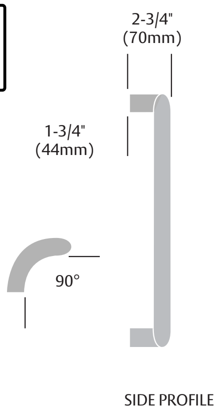
W Lever


3"
(76mm)
13/16"
(21mm)
4-11/16"
(119mm)

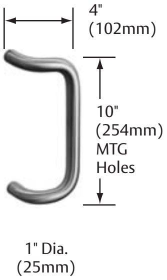
* Lever returns within 1/2" (13mm) of door face

Pulls

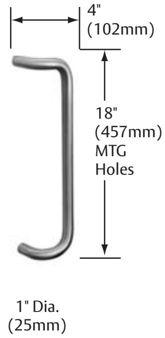
♿


2-3/4"
(70mm)
1-3/4"
(44mm)
90°
SIDE PROFILE

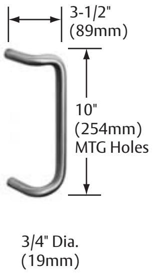
862


4"
(102mm)
10"
(254mm)
MTG
Holes
1" Dia.
(25mm)

863


4"
(102mm)
18"
(457mm)
MTG
Holes
1" Dia.
(25mm)

864


3-1/2"
(89mm)
10"
(254mm)
MTG Holes
3/4" Dia.
(19mm)

Alarm Option (AL-)
Request-to-Exit Option (55-)

80 Series

AL- Alarm Option

SARGENT's AL-80 Series Exit Devices are designed for areas requiring a stand-alone alarm on outward swinging doors. This device has an integrated alarm in the push rail to discourage the unauthorized use of emergency exit doors. The alarm inside the rail sounds immediately upon exit. The AL-80 Series is ideal for rear exterior doors, doors leading to a rooftop, or anywhere security is a concern.

Features

- Microprocessor based alarm board
- When armed, alarm sounds immediately upon rail depression
- All exit devices have tamper resistant latching (Guarded Latch)
- Battery powered – 9VDC
- 103 Db @ 8 ft pulsating horn
- Flashing red LED provides visible violation indication, reset by key only
- Low battery alert
- Field selectable continuous alarm option-3267 Power Supply and 546 Harness recommended
- Automatic re-arming option
- Supplied with a #41 (1-1/8") with standard off set cam
- UL Listed and cUL Listed
- UL Listed to Canadian Safety Standards
- Rail Monitoring & Guarded Latch are standard internal features
- Available with all 80 Devices, except LP, LR, LS8600, FM8700,WS & HC8800 Devices
- Minimum Door Widths:
  - Wide Stile Door : E-n/a; F-36" only; J-42"-39"; G-48"-43"
  - Narrow Stile Door: E-32" only; f-36"-34"; J-42"-37"; G-48"-43"
- See page 75 for compatible options
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements (if hard wired)
- Order as an AL- option
  (e.g., AL-8916F x ETJ x 32D x 36" Door)

545 Alarm Retrofit Kits

Alarm retrofit kits available for the following 80 Series devices - 8300, MD8600, WD8600, GL-8800, and 8900 only. (GL-8800: Rim device with guarded latch)

Kit #	Device Style	Pivot to Pivot	Rail Size
545-1	Wide	11-1/4"	F
545-2	Narrow	11-1/4"	F
		8-1/2"	E
545-3	Wide	20-1/2"	G
545-4	Narrow	20-1/2"	G
545-6	Narrow	14"	J
545-7	Wide	14"	J

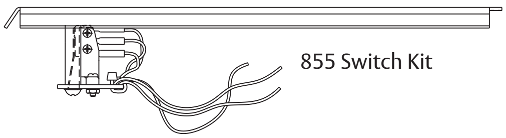
546 Wiring Harness

Harness allows for remote control of the alarmed exit device

- Remote Alarm Reset–reset from remote location
- External Inhibit – shunts alarm from remote location
- Remote Power – allows unit to be wired to a 9VDC power supply (3267)
- Remote Monitor – allows unit to be wired to remote console
- Order as:
  - 546 - Wiring Harness (For AL- option) - Mfg. prior to 7/1/04
  - 546-F - Wiring Harness for F-Size Rails - Mfg. after 7/1/04
  - 546-G - Wiring Harness for G-Size Rails - Mfg. after 7/1/04
  - 546-J - Wiring Harness for J-Size Rails - Mfg. after 7/1/04

55- Request-to-Exit Option

SARGENT Request-to-Exit Signal Switch Exit Devices provides push rail monitoring for a variety of applications; such as to sound an alarm, initialize a delayed egress system, or de-energize an electromagnetic lock.



Switch type SPDT form "C" contacts

- 30 VDC@2 Amp. maximum rating
- All wires run through rail
- Available with all 80 & P800 Devices, except for FM8700
- See page 75 for compatible options
- Minimum Door Widths:
  - Wide Stile Door 36"
  - Narrow Stile Door 32"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 55- option
  (e.g., 55-8913F x ETMA x 32D x 36")

855 Kit #	Device Stile	Rail Size Pivot to Pivot	Rail Size
855-1	Wide	11-1/4"	F
855-2	Narrow	11-1/4"	F
		8-1/2"	E
855-3	Wide	20-1/2"	G
	*8895	8-1/2"	E
855-4	Narrow	20-1/2"	G
	*8895	11-1/4"	F
855-5	Wide	8-1/2"	E
855-6	Narrow	14"	J
855-7	Wide	14"	J
855-8	*8895	14"	J
	*8895	20-1/2"	G

*8895 is an active dummy rail (See page 72)

Note: The 855 Kits can not be used with a pre-existing 56- Rail

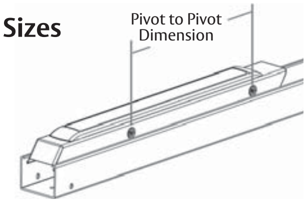
Note: If rail size is not standard, the 855 insert will have to be cut during installation

Device Stile

Narrow Stile

Wide Stile

Rail Sizes



Rail Size is determined by the Pivot to Pivot Dimensions

Pivot to Pivot Dimension

8-1/2" = "E" Rail
11-1/4" = "F" Rail
14" = "J" Rail
20-1/2" = "G" Rail

ACCENTRA
ASSA ABLOY

Experience a safer
and more open world

7000 SERIES

Architectural Exit Devices

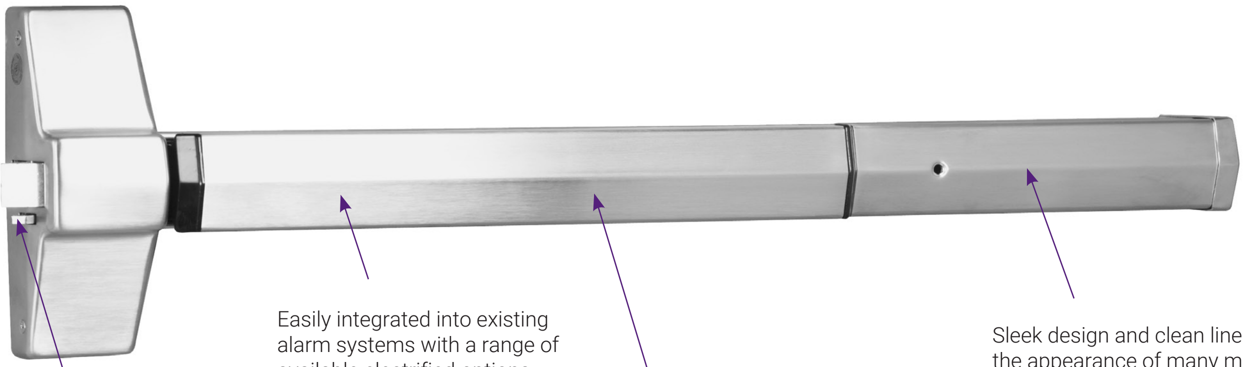
BENEFITS & FEATURES

Benefits

- **Innovative:** Featuring security options including SquareBolt® latchbolt and delayed egress function
- **Durable:** Heavy-duty steel components are ANSI/BHMA Grade 1 certified for the ultimate in strength and security
- **Flexibility:** Various options available to customize this exit device to suit any opening
- **Clean, modern look:** Sleek design with a variety of attractive finish options to suit any decor

Features

- High quality steel chassis and heavy-duty components
- Full range of mechanical and electromechanical options to suit any life safety application and pair with existing security systems
- ANSI/BHMA Grade 1 certified
- UL/cUL listed for panic and fire doors
- Windstorm certified (refer to local codes) Hurricane
- Five year mechanical warranty, two year warranty on electrical options and components



Easily integrated into existing alarm systems with a range of available electrified options

Sleek design and clean lines suit the appearance of many modern commercial buildings

Available with various configurations including rim, SquareBolt®, surface/concealed vertical rod, to suit any opening

Constructed with high quality steel and heavy-duty components for durability

Available with Motorized Electric Latch Retraction!

The Motorized Electric Latch Retraction (MELR) feature provides remote-controlled latch retraction that delivers quiet, smooth operation for convenient, hassle-free egress. Easily installed in new applications and available as retrofit rail kit assemblies for field updates, the MELR features maintenance-free design with few moving parts using 86% less power consumption during retraction than solenoid devices. Plus, MELR is powered by a standard power supply, simplifying installation and increasing system design flexibility. See page 32 for more details.

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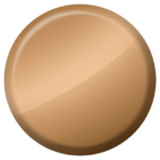
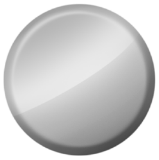
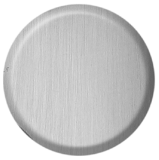
ASSA ABLOY

FINISHES

ANSI/BHMA Code Finish Description				
605 Bright Brass, Clear Coated	**606 Satin Brass, Clear Coated**	**611 Bright Bronze, Clear Coated**	**612 Satin Bronze, Clear Coated**	**613E Dark Oxidized Satin Bronze - equivalent**
				
619* Satin Nickel Plated, Clear Coated	**625 Bright Chrome Plated (540F trim only)**	**626* Satin Chrome Plated (Trim only)**	**629 Bright Stainless Steel**	**630* Satin Stainless Steel**
				
693 Black Painted	**BSP Black Suede Powder Coat**	**WSP White Suede Powder Coat**		

613, 626 and 722 finishes available as Special Product Requests only. Please contact Customer Service for more information.

*Finish available with MicroShield® antimicrobial coating, additional finishes by special application. Consult factory for availability.

MicroShield coating may vary finish color from architectural standards. MicroShield is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY ACCENTRA™ makes no representations or warranties, express or implied, as to the efficacy of MicroShield.

Finishes For Touchbar Covers Only

ANSI/BHMA Code	Finish Description
BN	Semi-gloss black fused polymer
LUM	Lumi-lite Photoluminescence
SS	Stainless Steel

Lumi-Lite

Lumi-lite uses photoluminescence technology to provide visibility of exit doors in low-light, no light or smoky conditions. Lumi-lite can be ordered with your 7000 Series Exit Device or easily retrofitted to existing devices. See Lumi-lite Touchpad Cover on page 57 for more information.

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HOW TO ORDER

From this outline select the Model Number for the ACCENTRA 7000 Exit Device Series you require.

7	X	X	X	Mechanical/Electrical	Size	Design	Trim	Finish	Other Info.
	Second Digit: “1” - Standard device, 4-1/2" (114mm) or wider door stile. “2” - Narrow stile door or narrow escutcheon trim (500F, 510F Series)	**Third Digit:** “0” - Rim Device, Pullman Latch "1" - SVR Device up to 8' “2” - CVR Device, Metal Doors up to 8' “3” - Mortise Device “5” - SquareBolt®, Rim Security “6” - CVR Device over 8', wood door or LBR “7” - SVR Device over 8' or LBR	**Fourth Digit:** “0” - Standard “5” - Cylinder Dogging (Not with suffix “F”)	**Mechanical Feature** “F” - Fire Exit Device “M” - Narrow escutcheon trim in 4-1/2" (114mm) or wider door stile “LBR”- Less Bottom Rod[2] “L5” - Mortise Device, Entry by Key with/without Rigid Lever[1] “L8” - Mortise Device, Entry by Lever “T5” - Mortise Device with Thumbpiece Trim “T8” - Mortise Device, Active Thumbpiece Trim “2” - Double Cylinder Device[3] “WS” - Windstorm Certified Products[5, 6, 7] 5CH - 5LB pressure release[8] **Electrical Feature** “-A” - Alarm Kit “-B” - Bar Monitor or Signaling “-D” - Delayed Egress “-O” - Outside Trim Monitor or Signaling “-MELR” - Motorized Electric Latch Retraction “-S” - Latchbolt Status Monitor or Signaling “-Safe” - Mortise Device Trim Control (lever only) “-Secure” - Mortise Device Trim Control (lever only)		**Trim Design** (Lever only)	**Trim Model Number**	**See page 5**	**Other Information:** **Door Hand** - RHR or LHR **Door Thickness** - Over 1-3/4" (45mm) **Fastener Options** - TORX® Security Screws SNB (wood, composite, or unreinforced metal doors) **Specialty Cylinders & Components** **Lumi-lite:** LUM

Ordering Examples

Exit Device Only
7150D-36 x 619 x RHR x SNB

Exit Device with Trim and Cylinder
7170F90-9-48 x AU626F x 605 x LHR x 1109 GA 0-bit

Trim Only
MO656F x 630 x RHR x LC

Double Cylinder Exit Device with Trim
7150F-2-36 x AU626F x 630

It is recommended that exit devices and trim for the same opening be ordered together. Standard product is for 1-3/4" (44mm) reinforced metal doors. Accessories detached from the device and trim should be specified separately. Materials by others are required to be fit for the purpose as detailed in this catalog and the product installation literature.

Notes:

1. Required for electrical feature, Suffix “-SAFE” or “-SECURE”.
2. LBR available on 7160(F90) and 7170(F90) devices only.
3. For double cylinder devices, suffix “-2” after fourth digit.
4. If “-24” device is to be used with a DOW greater than 24", the device will ship without UL label. The 12" touchpad will not cover 50% of the device touchbar length.
5. “WS” applies only to 7150(F), 7250M(F) and 7170(F) devices.
6. Maximum opening size 8'0" x 8'0".
7. Contact Ceco, Curries® or Fleming for detailed frame/door requirements and limitations.
8. 5CH applies only to 7100 devices.

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7100(F) RIM

The 7100(F) is a rim exit device to be used with single doors or pairs of doors constructed of metal, wood or composite materials. Designed for application in high-use areas, the 7100(F) comes in a variety of finishes and can be combined with a variety of trims to match any desired style.

Features

- Designed for wide stile doors
- 3/4" throw deadlocking stainless steel pullman latchbolt
- Electroplated ferrous components provide corrosion resistance
- Available in double cylinder function (handing must be specified)

Applications

- Non-handed for easy installation
- Single swing doors
- Pairs of doors with removable mullions
- Metal, wood or composite door materials

Specifications

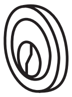
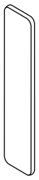
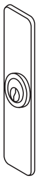
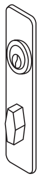
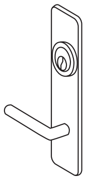
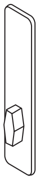
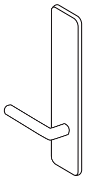
Door Opening Width	-24 for 24" (60cm) doors -36 for 30" - 36" (76cm - 91cm) doors -48 for 36" - 48" (91cm - 122cm) doors Optional sizes can be special ordered. Consult Technical Product Support.
Door Thickness	1-3/4" (44mm) standard. Optional door thicknesses available to 4-1/2"; specify door thickness when ordering.
Minimum Stile Width	4-1/2" (114mm)
Projection	3-1/4" (83mm) active, 2-3/4" (70mm) dogged
Latchbolt	3/4" (19mm) deadlocking stainless steel pullman-type
Strike	757F, 793 optional (double door application, panic only)
Fasteners	Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.
Trims	620F series escutcheon trim, 630F series pull/thumbpiece trim, 680F series offset pull trim, 540F series rose trim, 121NL cylinder only. See pages 22-24.
ANSI/BHMA	Certified A156.3 Type 1, Grade 1
UL/cUL	FVSR/FVSR - Panic hardware; GXHX/GXHX7 - Fire exit hardware (F) (4' x 8' single, 8' x 8' pairs, 3 hr.)
Dogging	Hex key dogging supplied standard on panic devices
Options	Cylinder dogging, shim kit #723, sex nuts and bolts, MicroShield®, Lumi-lite
Warranty	5-year limited

7200 & 7200M SERIES TRIMS

500F Series Escutcheon Trim

BHMA CERTIFIED

- Certified ANSI/BHMA A156.3, Grade 1.
- Trim thrubolts to exit device for strength.
- 1-3/4" (44mm) door standard. For doors through 2-1/4" (57mm) or shim-mounted devices, specify on order.
- Dimensions:1-5/8" x 9-1/2" x 1/4" (41mm x 241mm x 6mm)
- Cylinders not included. See page 49 for cylinder options.
- Available with AR, AU, CR, JN, MO, PB, PN, VI and HA lever designs. See page 22.
  - Finishes: 605, 606, 611, 612, 613E, 619, 626, 629, 630, 693, BSP, WSP
- Available with Reflections® lever designs. See page 23.
  - Finishes: 605, 606, 611, 612, 613E, 619, 626, 629, 630, BSP, WSP
- Trim ordering example: AU506F x 626 x RHR.
- 1-year limited warranty.

					♿ 		♿ 	
Applications	**Nightlatch Access by Key**	**Exit Only Blank Plate**	**Nightlatch Access by Key**	**Classroom/ Storeroom Cylinder Controls Thumbturn**	**Classroom/ Storeroom Cylinder Controls Lever**	**Passage**	**Passage or Dummy**	**Dummy Trim**
7200, 7210, 7220, 7250, 7200M(F), 7210M(F), 7220M(F), 7250M(F)	121NL[2]	500F	501F[2]	503F[1]	506F[1]	507F	508F[1]	509F
ANSI	03	01	03	11/12	08/09	16	14/02	02

[1] 09, 12 and Free-Wheeling 02 achieved with simple trim modification at installation.
[2] Not recommended for use with vertical rod devices.
For 629 & 630 finishes the standard levers are plated to simulate stainless steel.

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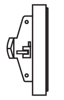
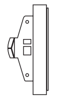
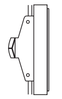
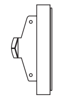
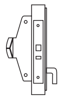
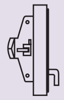
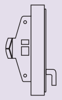
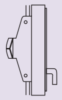
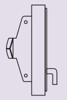
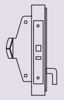
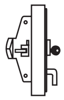
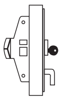
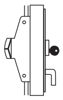
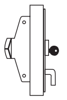
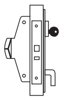
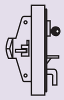
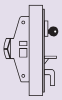
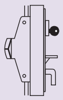
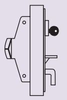
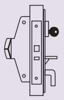
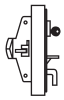
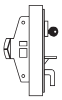
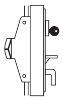
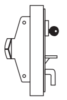
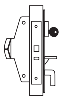
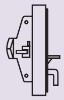
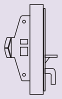
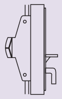
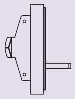
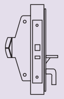
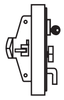
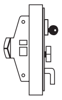
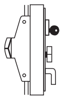
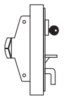
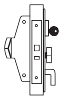
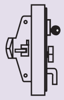
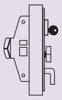
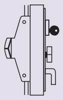
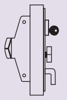
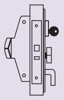
FUNCTIONS

SquareBolt® 7150(F) 7250 7250M(F) Inside Outside	Rim 7100(F) 7200 7200M(F) Inside Outside	Surface Vertical Rod 7110(F) 7170(F) 7210 7210M(F) Inside Outside	Concealed Vertical Rod 7120(F) 7160(F) 7220 7220M(F) Inside Outside	Mortise 7130(F) Inside Outside	Type	ANSI Function No.	Function Description
					Exit Only/ Blank Plate	01 –	Exit only, no trim. Exit only, blank plate.
					Dummy/ Pull Plate	02	Entrance by trim when actuating bar is locked down.
					Nightlatch	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked.
					Classroom	05	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
					Storeroom	06	Entrance by thumbpiece only when released by key. Key removable only when locked.
					Passage	15	Entrance by trim when latch is released by thumbpiece. Thumbpiece is always active, no cylinder.
					Classroom	11	Entrance by control turn piece. Key locks or unlocks control.
					Storeroom	12	Entrance by control turn piece only when released by turning key. Key removable only when locked.

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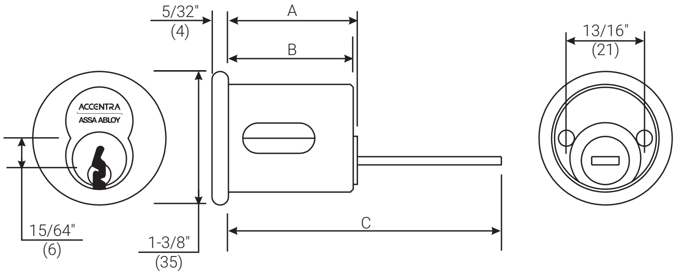
Large Format Interchangeable Core (LFIC) For Current Products

Includes standard, hotel, security and high security large format interchangeable core for rim lock and exit device trim applications. When ordering interchangeable core cylinders or cores only, control keys are not furnished. If control keys are required, they must be specified.

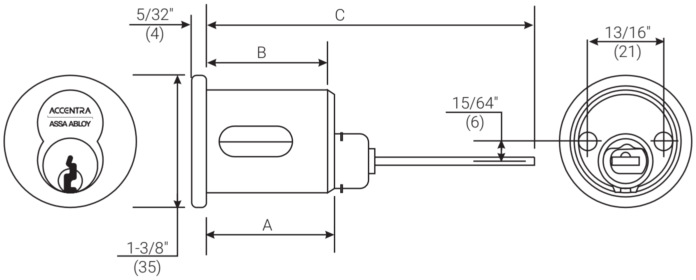
Model Numbers			Description	No. of Active Pins	Dim A	Dim B	Dim C Tailpiece Model Numbers	
Complete Cylinder	Core Only	Housing Only					#1145	#1147
1193	1210	1212	Standard cylinder	6	1-7/16" (37)	1-3/8" (27)	2-15/16" (75)	3-3/4" (95)
1193	1220	1212B	Standard cylinder	7	1-5/8" (41)	1-9/16" (40)	3-1/8" (79)	4-5/16" (110)
5193	5210	1212	Security cylinder	6	1-7/16" (37)	1-3/8" (35)	2-15/16" (75)	3-3/4" (95)
5193	5220	1212B	Security cylinder	7	1-5/8" (41)	1-9/16" (40)	3-1/8" (79)	4-5/16" (110)



Large Format Interchangeable Core (LFIC) With Lazy Cam Operation

Model Numbers			Description	No. of Active Pins	Dim A	Dim B	Dim C
Complete Cylinder	Core Only	Housing Only					
1193L	1210	*	Standard cylinder with lazy cam operation	6	1-3/4" (44)	1-3/8" (35)	3-1/2" (89)

*Uses 1212 housing with lazy cam. Specify by part number 10-1193-0044 x Finish



Cylinder Finish	Shell/Plug Finish
605, 606, 611, 612, 613E	606
618, 619, 625, 626, 629, 630, WSP	626
BSP	BSP

LFIC Rim housings supplied in finish specified

Dimensions are shown in inches (millimeters)

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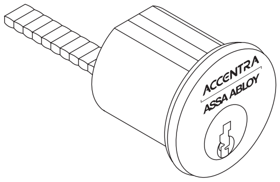
CYLINDERS

Rim

The following chart details rim cylinders for use with 480F, 500F, 510F, 620F, 680F, 630F, 121NL trims and outside of SDA16 door alarm:



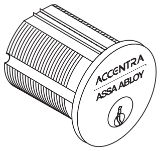
				Collar Requirements*				
Model #	**Description**	**Pins**	**Length**	**480F/500F/ 510F**	**620F/680F**	**630F**	**121NL**	**SDA16 Outside**
1109	Standard Fixed Core	6	1-1/4"	599.419	No Collar	No Collar	1765.250	1765.250
1109	Standard Fixed Core	7	1-7/16"			KP4		
1709	CMK	6	1-15/16"	599.544	1765.250	1765.250		
1709	CMK	7	1-5/8"	599.700		1765.406		
1193	LFIC Complete	6	1-7/16"	599.544		1765.250		
1193	LFIC Complete	7	1-5/8"	599.700	1765.344	1765.406		
5109	Security Fixed Core	6	1-9/16"	599.419	No Collar	1765.250		
5109	Security Fixed Core	7	1-7/16"					
U5109	High Security Fixed Core	6	1"	NA		No Collar	No Collar	No Collar
U5109	High Security Fixed Core	7	1"					
5193	Security LFIC Complete	6	1-7/16"	599.544	1765.250	1765.250	1765.250	1765.250
5193	Security LFIC Complete	7	1-5/8"	599.700	1765.344	1765.406		
K300	ACCENTRA KeyMark® Standard Fixed Core	6	1-1/8"	599.544	KP4	1765.250		
K300	ACCENTRA KeyMark Standard Fixed Core	7						
K840/ K880	ACCENTRA KeyMark LFIC Complete / Housing Only	6	1-7/16"	599.700	1765.406	1765.500		
K840/ K880	ACCENTRA KeyMark LFIC Complete / Housing Only	7	1-5/8"	NA	1765.563	1765.719		
K640/ K680	ACCENTRA KeyMark SFIC Complete / Housing Only	6	1-1/4"	599.544	KP4	1765.250		
K640/ K680	ACCENTRA KeyMark SFIC Complete / Housing Only	6 or 7	1-3/8"	599.700	1765.187	1765.406		
A640/ K680	Best® Keyway SFIC Complete / Housing Only	6	1-1/4"	599.544	KP4	1765.250		
A640/ K680	Best® Keyway SFIC Complete / Housing Only	6 or 7	1-3/8"	599.700	1765.187	1765.406		
2109	Schlage® "C" Keyway Fixed Core Available 0-bitted or keyed random.	6	1-1/8"	599.419	No Collar	No Collar		

*Based on 1-3/4" door thickness. Collar length required must be specified for cylinders and/or housings ordered separately.
LFIC = Large Format Interchangeable Core
SFIC = Small Format Interchangeable Core
NA = Application Not Available

CYLINDERS

Mortise

The following chart details mortise cylinders for use with 350F, 650F, 660F, 670F trims, cylinder dogging, delayed egress, and 7116 alarms:

				350F/650F		660F/670F		Cylinder Dogging/ DEED/7116	
Model #	**Description**	**Pins**	**Length**	**Cam**	**Collar**	**Cam**	**Collar**	**Cam**	**Collar**
2153	Standard Fixed Core	6	1-1/8	2160	NA	2160	NA	2160	No Collar
		6	1-3/4		No Collar		KP4		NA
		7	1-1/4		NA		NA		1765.156
		7	1-3/4		No Collar		KP4		NA
2196	LFIC Complete	6	1-1/2		NA		NA		1765.406
		6	1-3/4		No Collar		KP4		NA
2197	LFIC Complete	7	1-11/16		KP4		1765.250		1765.594
5153	Security Fixed Core	6	1-1/8		NA		NA		No Collar
		7	1-1/4		NA		NA		1765.156
U5153	High Security Fixed Core	6	1-1/8		NA		NA		NA
		7	1-1/4						
5196	Security LFIC Complete	6	1-1/2		NA		NA		1765.406
		6	1-3/4		No Collar		KP4		NA
5197	Security LFIC Complete	7	1-11/16		KP4		1765.250		1765.594
K100	ACCENTRA KeyMark® Standard Fixed Core	6 or 7	1-1/8	KC1	NA	KC1	NA	KC1	No Collar
			1-3/4		No Collar		KP4		NA
			1-3/4	Riveted	KP4	Riveted	1765.375	NA	
K820/K860	ACCENTRA KeyMark LFIC Complete/Housing Only	6 or 7	1-3/4	KC1	No Collar	KC1	KP4	KC1	1765.406
		7	1-11/16		KP4		1765.375		1765.594
K620/K660	ACCENTRA KeyMark SFIC Complete/Housing Only	6	1-1/4		NA		NA		1765.156
		6 or 7	1-3/8				No Collar		1765.281
		6	1-3/4	Riveted	KP4	Riveted	1765.375	NA	NA
A620/K660	Best Keyway SFIC Complete/ Housing Only	6	1-1/4	KC1	NA	KC1	NA	KC1	1765.156
		6 or 7	1-3/8				No Collar		1765.281
		6	1-3/4	Riveted	KP4	Riveted	1765.375	NA	NA
2553	Schlage® "C" Keyway Fixed Core. Available 0-bitted or keyed random.	6	1-1/8	2160	NA	2160	NA	2160	No Collar

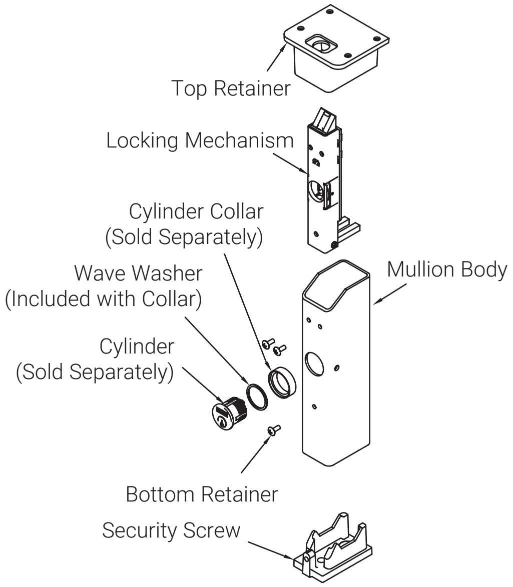
NA = Application Not Available

KRM200(F) Keyed Removable Mullion (KRM)

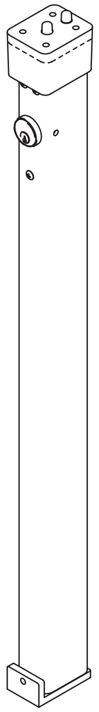
Keyed removable mullions are for use with 7100(F) series exit devices. They are designed for simple removing when an unobstructed large opening is required and easy replacement and locking to maintain the integrity of the opening.

- Easy cylinder installation.
- Mullion automatically relocks when reinstalled without the use of the cylinder key.
- When ordering, add KR prefix to mullion, example: KRM200 and KRM200F.
- KRM200 panic rated. Specify 7'2".
- KRM200F 1-1/2 hour fire rated. Specify 7'2" or 10'[1] (Fire rated up to 8')
- KRM200FWS 3 hour fire rated.
  Certified hurricane resistant (refer to local codes). Specify 7'2" or 8'. Hurricane

Notes:
1. For 8' length Mullion must be order as KRM200F option and cut in the field to 8' size.



KRM200(F)



KRM200FWS

Split Mullion

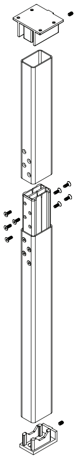
Hassle-free transportation with a 30% smaller packaging size. Mullions may be field cut to fit opening. Gray painted finish. Available only in 8'. When ordering add suffix SM, example M200SM and KRM200SM

M200SM Standard

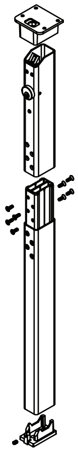
- Panic rated. Specify 8'
- Tubular steel, 2" x 3" (51mm x 76mm).

KRM200SM Key Removable Split Mullion

- Easy cylinder installation.
- Panic rated. Specify 8'
- Tubular steel, 2" x 3" (51mm x 76mm).



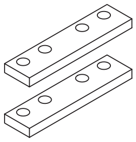
M200SM



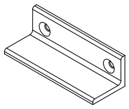
KRM200SM

M200(F), SM and KRM Options

- **M203 Spacer Block**
  Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing or for applications with 5-3/4" (146mm) or less door frames.



- **M204 Angle Bracket**
  Recommended for any header configuration with less than 3" (76mm) of mounting surface.



KRM Cylinders

As with any exit device trim, you must order a cylinder and collar if one is required. The ACCENTRA keyed removable mullion accepts a mortise cylinder. Refer to page 52 for details.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, mechanical and smart locks, access control and service.

TECHNICAL SUPPORT
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Email: techsupport.accentra@assaabloy.com

CUSTOMER SUPPORT
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Tel: 855-557-5078 x2
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Vaughan, Ontario L4K 4T9
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Fax: 1-800-461-8989
assaabloydss.ca

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ROCKWOOD

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ROCKWOOD
CATALOG – ACCESSORIES

Push Plates – .050" Thick

Material: Aluminum, brass, bronze, stainless steel

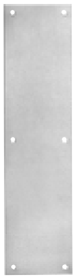
Finishes: Available in standard architectural finishes, US32D**MS**, US32D**316**, US32**316**, and US3**LIFETIME** (see page 9)

Fastener: #6 x $^{5}/_{8}$" OH SMS

Features: Four beveled edges

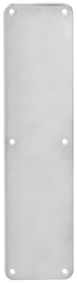
Ordering: Specify plate number followed by size designation and finish (70B US32D) or for non-standard size 70
Specify width x height and finish. Specify any additional options

Options:
- Custom sizes available upon request
- TEK – self-drilling screws
- TORX – security Torx screws
- SA – self-adhesive mounting: $^{1}/_{16}$" double face foam tape (no screw holes on plate)
- Engraving on plates 4" wide or wider. Specify copy. See page B1 for standard engraving locations
- Cylinder cutouts (CFC) and turn knob cutouts (CFTT). See page B1 for standard locations and sizes
- Heavy bevel available on 70A to 70G, specify HVBEV



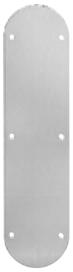
No. 70

No.	Standard Size	Weight	ANSI A156.6
70A	3" x 12"	0.7 lbs.	J301
70B	3$^{1}/_{2}$" x 15"	0.9 lbs.	J301
70C	4" x 16"	1.0 lbs.	J301
70E	6" x 16"	1.5 lbs.	J301
70F	8" x 16"	2.0 lbs.	J301
70G	4" x 20"	1.3 lbs.	J301



No. 70RC

No.	Standard Size	Weight	ANSI A156.6
70RCA	3" x 12"	0.7 lbs.	J301
70RCB	3$^{1}/_{2}$" x 15"	0.9 lbs.	J301
70RCC	4" x 16"	1.0 lbs.	J301
70RCE	6" x 16"	1.5 lbs.	J301
70RCF	8" x 16"	2.0 lbs.	J301
70RCG	4" x 20"	1.3 lbs.	J301



No. 70RE

No.	Standard Size	Weight	ANSI A156.6
70REA	3" x 12"	0.7 lbs.	J301
70REB	3$^{1}/_{2}$" x 15"	0.9 lbs.	J301
70REC	4" x 16"	1.0 lbs.	J301

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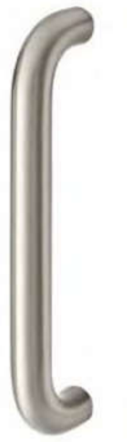
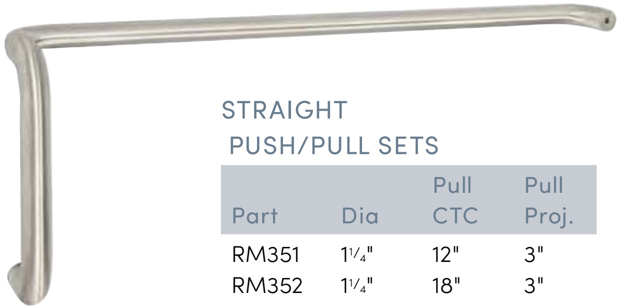
Tubular

Rugged beauty describes these functional tubular pulls.



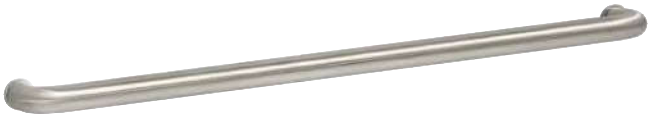
STRAIGHT PULLS - BENT ENDS

Part	Dia	CTC	Proj.
RM301	1¼"	12"	3"
RM302	1¼"	18"	3"
RM303	1¼"	24"	3"
RM304	1¼"	36"	3"
RM321	1½"	12"	3½"
RM322	1½"	18"	3½"
RM323	1½"	24"	3½"
RM324	1½"	36"	3½"



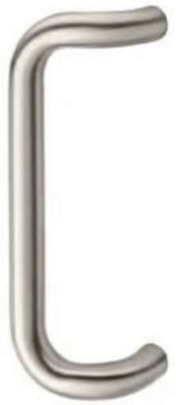
STRAIGHT PUSH/PULL SETS

Part	Dia	Pull CTC	Pull Proj.
RM351	1¼"	12"	3"
RM352	1¼"	18"	3"
RM371	1½"	12"	3½"
RM372	1½"	18"	3½"



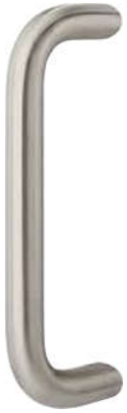
PUSH BARS

Part	Dia	Proj.
RM350	1¼"	3"
RM370	1½"	3½"



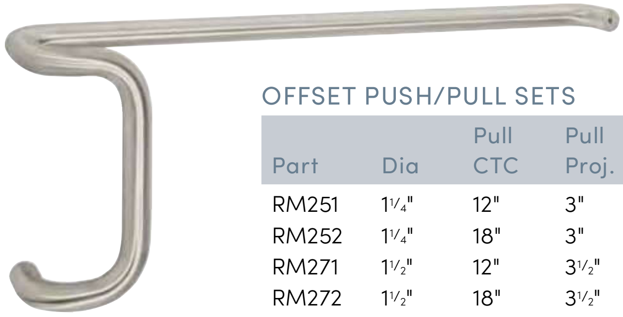
90° OFFSET PULLS - BENT ENDS

Part	Dia	CTC	Proj.
RM201	1¼"	12"	3"
RM202	1¼"	18"	3"
RM203	1¼"	24"	3"
RM204	1¼"	36"	3"
RM221	1½"	12"	3½"
RM222	1½"	18"	3½"
RM223	1½"	24"	3½"
RM224	1½"	36"	3½"



HEAVY DUTY 30° OFFSET PULLS

Part	Dia	CTC	Proj.
RM257	1¼"	10"	3¾"
RM258	1¼"	12"	3¾"
RM259	1¼"	18"	3¾"



OFFSET PUSH/PULL SETS

Part	Dia	Pull CTC	Pull Proj.
RM251	1¼"	12"	3"
RM252	1¼"	18"	3"
RM271	1½"	12"	3½"
RM272	1½"	18"	3½"

CUT SHEET

Rockwood RM3300

MegaTek Pull

Straight Pull - Flat Ends

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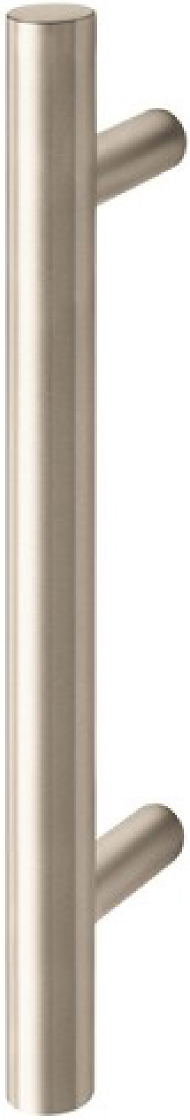

SPECIFICATIONS:

MATERIAL:
Aluminum, Brass, Bronze, Stainless Steel

OPTIONS:
For optional mid-post, suffix the product number with "MP" (example: RM3300MP). Over 96" available on select finishes.

ORDERING:
Specify CTC and overall length

MOUNTING NOTE:
1HD, 5HD, 6HD, 8HD, 12HD, 13HD, 15HD

AVAILABLE FINISHES:

- US3/605
- US4/606
- US10/612
- US10B/613
- 10BE/613E
- US28/628
- US32/629
- US32D
- US32316
- US32D316
- US32MS
- US32DMS
- 313/710
- 315/711
- BSP (Black Suede Powder Coat)
- BPC (Black Powder Coat)
- FBPC (Flat Black Powder Coat)
- WSP (White Suede Powder Coat)
- WPC (White Powder Coat)
- Stock Powder Coats

Diameter: 1"

Overall: Up to 96"

Rockwood Manufacturing Company
300 Main St.
Rockwood, PA 15557
www.rockwoodmfg.com
1 800 458 2424

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CATALOG

SURFACE CLOSERS

NORTON RIXSON

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NORTON RIXSON
ASSA ABLOY

8000 SERIES

ARCHITECTURAL DOOR CLOSER

INTRODUCTION

Multi-sized surface closer offering a complete range of arms and a sleek, minimal design suited for moderate- to high-traffic, architectural openings.

FEATURES

- Exceeds 25 million cycles
- Adjustable spring sizes 1 through 6
- Tri-Style® packaging standard (regular arm, top jamb and parallel arm mounting)
- Non-handed
- Staked valves
- Cast aluminum closer body
- Rack and pinion design
- 1-1/4" (32mm) diameter piston
- 5/8" (16mm) diameter pinion journals
- 2-1/8" (54mm) projection (standard covers)
- All standard arm applications (with slim, full or metal covers) allow doors to swing 180 degrees, conditions permitting
- Full size template
- Standard, separate and independent, latch, sweep and back check intensity valves
- Application specific arms: Regular (S), Top Jamb (JS) and Parallel (P)
- Heavy-duty arms; Regular Rigid, Parallel Rigid, CloserPlus®, CloserPlus Spring™, Unitrol®
- Slide Tracks: push or pull side mounting
- 30-year limited warranty

OPTIONAL FEATURES

- Lead lined metal cover - suffix MLL
- Metal, architectural plastic or architectural metal covers (8501 only)
- Delayed action

Features	8301	8501
Slim Line Cover	✓	
Full cover		✓

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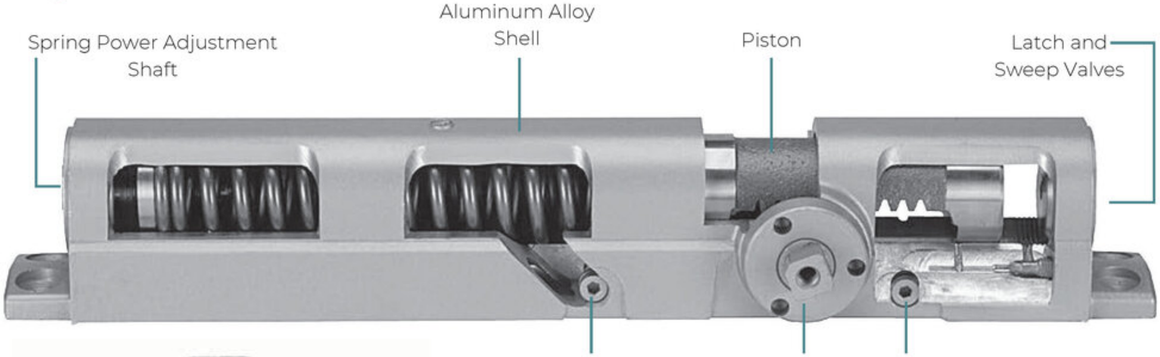
8000 SERIES

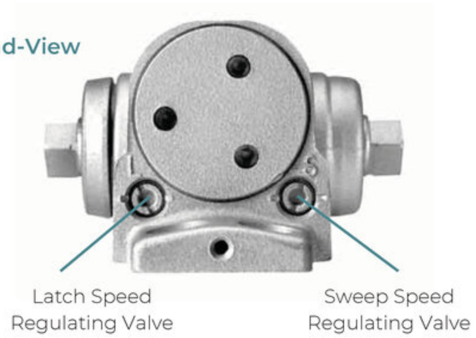
ARCHITECTURAL DOOR CLOSER

OVERVIEW

Cutaway View


Spring Power Adjustment Shaft
Aluminum Alloy Shell
Piston
Latch and Sweep Valves
Backcheck Intensity Regulating Valve
Pinion
Optional: "DA" Delayed Action Closing Regulating Valve

End-View


Latch Speed Regulating Valve
Sweep Speed Regulating Valve

CERTIFICATIONS

- ANSI/BHMA A156.4, Grade 1 certified BHMA CERTIFIED
- UL / cUL listed for use on fire rated doors Ⓤⓛ
- UL10C listed for positive pressure fire test
- 8301 and 8501 door closers are designed to comply with requirements for the Americans with Disabilities Act (A.D.A)and ANSI standard A117.1 ♿
- This product is manufactured in an ISO 9001, ISO 14001 facility
- UL certified environmental product declaration

CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

8000 SERIES

ARCHITECTURAL DOOR CLOSER

EXPLANATION OF FEATURES

Aluminum Alloy Housing

Closer bodies are constructed of a special aluminum alloy, carefully selected to accommodate interactive steel components and operating conditions.

Rack & Pinion Operation

Provides a smooth constant control of the door through its full opening and closing cycle. 180° door swing can be achieved when door, frame, hardware and arm function do not interfere.

Non-handed

With few exceptions all series 8301/ 8501 door closers are non-handed and can be installed on either right- or left-hand swing doors. Pinion shaft extends vertically through the closer body in both directions. Some options will require that the hand of the closer be specified.

Sweep Speed Control Valve

Allows adjustment of door speed from the door's full open position down to approximately 10° from the closed position.

Latch Speed Control Value

Allows adjustment of door speed from approximately 10° down to the door's fully closed position.

Tri-Style®

8301/8501 comes with screws, brackets and soffit plates to allow for regular, top jamb, and parallel arm installations.

Adjustable Backcheck Cushion Valve

Provides control of the door in the opening cycle, beginning at approximately 75° of door opening. It cushions the door opening when the door is forcibly opened beyond its pre-adjusted limits.

Standard Molded Covers

Molded of high-impact U.L. listed material. These covers are non-handed for all applications.

Warranty

Limited 30-year warranty for defects and life of the building on the aluminum housing.

Closer Fluid

NorGlide® closer fluid is a specially formulated multi-viscosity hydraulic fluid that contains lubricity and anti-oxidation agents that provide optimum performance and efficiency. This fluid complements the interaction of the door closer's aluminum housing with its steel and brass components, while maintaining stable viscosity to allow the door closer to perform in temperatures ranging from extremely high to as low as -40° F.

DOOR CLOSER POWER OPTIONS

Series 8301/8501 Multi-Sized Door Closer

Adjustable through the power range of sizes 1 through 6; as outlined in ANSI/ BHMA specification A156.4 option PT 4H.

Closers will also comply with the opening force requirements as outlined in the Americans with Disabilities Act (ADA) and ANSI/BHMA standard A117.1 for interior doors.

Optional Metal Cover

This steel cover is non-handed for regular and parallel arm applications, but is handed for top jamb applications. Cover is available in sprayed or plated finishes.

Optional Architectural Covers *

Plastic

Architectural plastic covers are molded of high-impact U.L. listed material. They are non-handed and available in sprayed finishes.

Metal

The architectural metal covers are steel and non-handed for all applications. These covers are available in sprayed or plated finishes.

Optional ABS Cover

Consult factory for details

8000 SERIES

ARCHITECTURAL DOOR CLOSER

EXPLANATION OF FEATURES

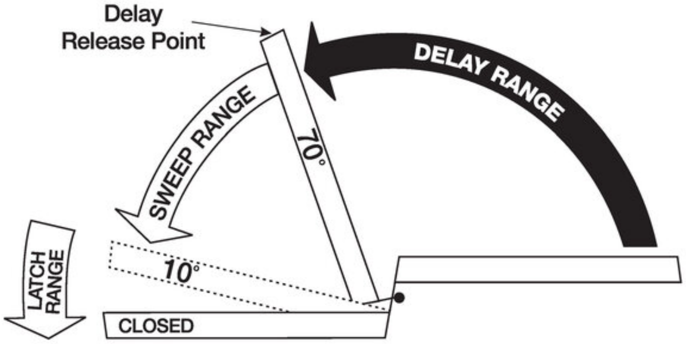
Adjustable Delayed Action Closing

An optional hydraulic feature that adds a third speed range to the closing cycle. This feature becomes effective when the door is opened and released at any point beyond 70°. The amount of time delay depends upon the combination of the angle of door release and valve adjustment. The valve can be adjusted with a 1/8" (3mm) hex key from no delay time up to maximum delay times of:

Door Opened and Released at	Approximate Time of Delay Cycle
180°	4-5 minutes
120°	2-3 minutes
90°	25-30 seconds

Pressure Relief Safety Valve

The delayed action hydraulic system contains a pressure relief valve. Any time the door is forced toward the closed direction while it is in the closing cycle, the valve will open and permit the door to close. This prevents damage to door, frame and closer.



Suggested Applications

Delayed Action closing allows slow moving traffic to clear the opening before the door closer's normal closing cycle begins. This feature can be helpful in health care facilities such as hospitals and nursing homes. It provides sufficient time for persons on crutches or in wheelchairs to pass through a door without concern of it closing. At the same time, it can accommodate the facility's staff with movement of food service carts, beds, and other wheeled traffic.

Use of delayed action closers on many doors throughout industrial and commercial buildings can also assist the flow of traffic. Locations where additional time to clear the opening is advantageous are doors between office and factory/ warehouse facilities, doors to workshops or laboratories, to kitchen and food processing areas, etc.

Non-Hold Open

Self-closes door every time door is opened. Auxiliary stop (by others) required except when using the CloserPlus®, CloserPlus Spring™ or Unitrol® arms.

Hold Open

Achieved by means of friction or ball and detent/ roller. Friction hold open has a range of 90° to 180° using template location and mechanical adjustment.

Ball and detent or roller hold open is effective in a range of 85° to 110°.

Hold open arm door closers are not permitted to be used on fire door assemblies.

Door Opening Degrees

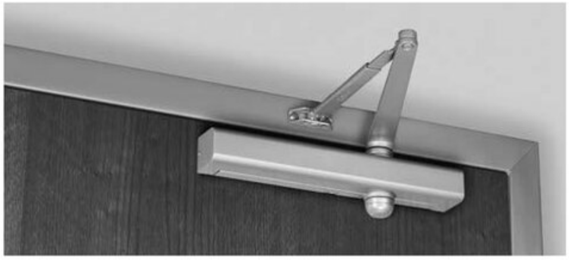
Arm Function	Regular Top Jamb Parallel Arm	Parallel Rigid Arm	CloserPlus® Parallel Arm	CloserPlus Spring™ Parallel Arm	Unitrol® Parallel Arm	Unitrol® Top Jamb	Low Profile Regular, Parallel	Slide Track
Non-Hold Open	✓	✓	85° to 110°	85° to 110°	85° to 110°	85° to 110°	✓	85° to 110°/180°
Hold Open	90° to 180°	85° to 180°	85° to 110°	85° to 110°	85° to 180°	85° to 180°	N/A	85° to 110°

✓=180° trim and template permitting

8000 SERIES

ARCHITECTURAL DOOR CLOSER

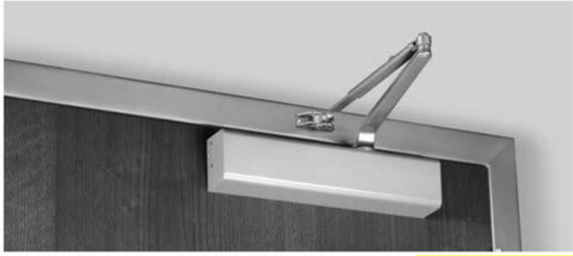
APPLICATIONS



8301 - slim cover

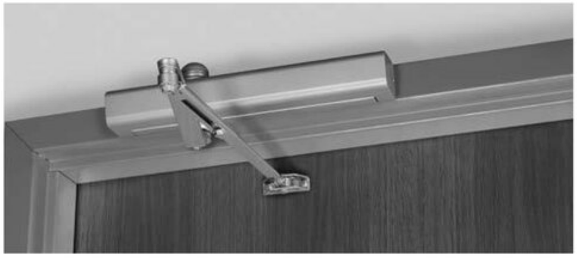
Regular Arm

This is the only pull side application where a double lever arm is used. It is the most power-efficient application for a door closer. Sufficient frame, door and/or ceiling clearance must be considered.



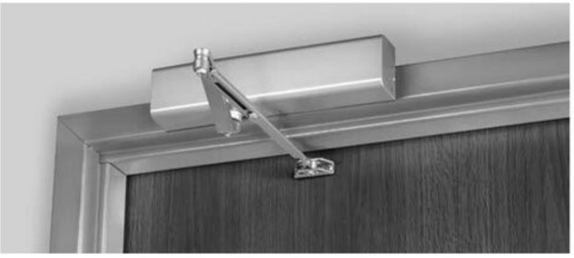
8501 - full cover

Since the arm assembly projects directly out from the frame, this application may present an aesthetics issue or be prone to vandalism.

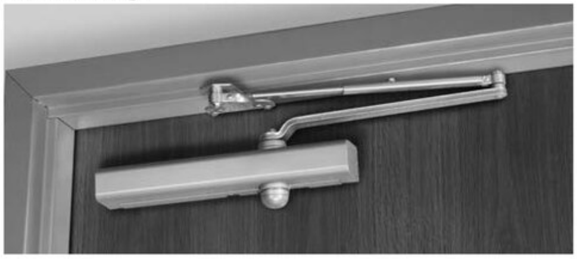


Top Jamb

For efficiency reasons this application provides the best alternative to the regular arm application. There must be sufficient frame face and/or ceiling clearance for this application. It requires a top rail on the door of just 2-1/4" (57mm). This application provides the best door control for doors in exterior walls that swing out of a building.

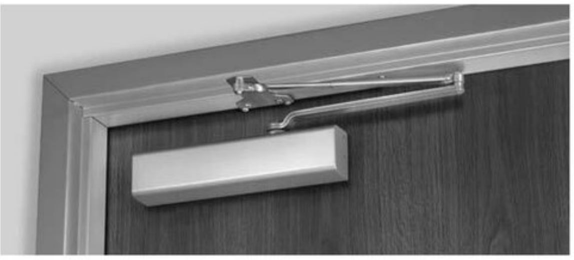


The entire door closer and arm assembly project from the frame, similar to the regular arm application, where matters of appearance and malicious abuse can be of concern. Consideration must be given to depth of frame reveal.



Parallel Arm

This application provides the most appealing design appearance for a surface mounted door closer having a double lever arm. This also makes it beneficial in vandalism-prone areas. It is on the push side of the door and the arm assembly extends almost parallel to the door. In the closed position, there is very little or no hardware projecting beyond the frame face in most situations.

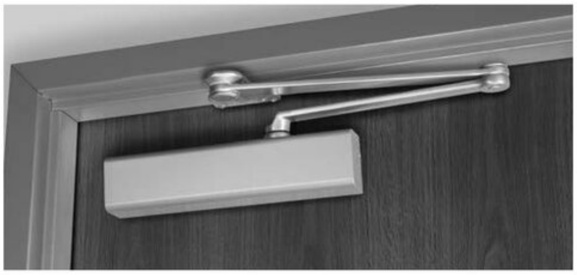


Due to the geometry of the arm it is approximately 25% less power efficient than a regular arm application. The entire closer and arm assembly are mounted below the frame stop. Top rail clearance dimensions will vary based on the type of cover used.

8000 SERIES

ARCHITECTURAL DOOR CLOSER

APPLICATIONS

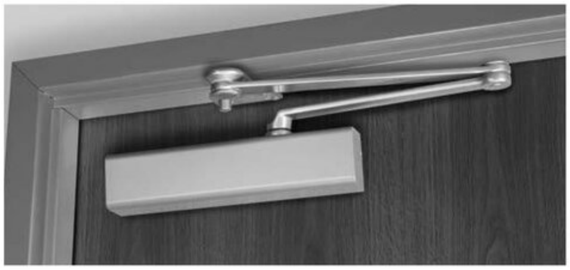


Non-hold open arm shown

Parallel Rigid Arm

An enhanced variation of the standard parallel arm assembly that is intended for use in heavy traffic areas where auxiliary door stops are installed.

Hold open available - specify hand when ordering.



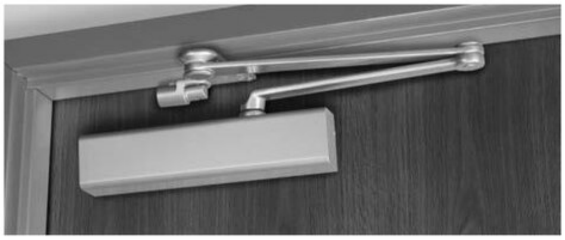
Non-hold open arm shown

CloserPlus® Arm

Similar to the Parallel Rigid arm, this arm incorporates a stop at the arm's soffit plate to dead stop the door at a predetermined degree of door swing between 85° to 110°, in 5° increments. Prior to dead stop the door closer's backcheck feature slows the door speed to reduce the impact of the stop action.

The CloserPlus Arm is intended for use where an auxiliary door stop cannot be utilized and no more than moderate abuse is anticipated. Where more extreme conditions are expected, use of a Unitrol arm is recommended.

Available with or without hold open. (Hold open strength is adjustable.)

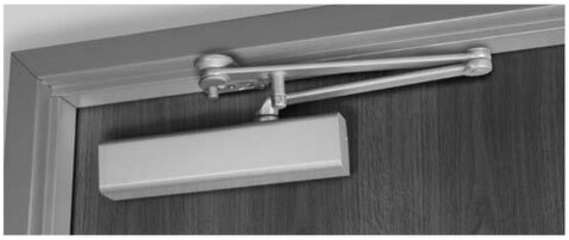


Non-hold open arm shown

CloserPlus Spring™

This arm has all the characteristics of the CloserPlus arm with an additional steel buffer spring that provides greater protection at the end of the door opening cycle.

For extreme conditions, use of a Unitrol arm is recommended. Available with or without hold open.



CloserPlus Ramp™

The CLP-R uses a patent pending ramp and plunger design that easily slides into place reducing wear often seen on traditional hold open arms. Ideal for applications where the door will constantly be pulled out of hold open.

FINISHES

Norton Rixson offers waterborne acrylic, polyster powder coat and plated finishes. Custom finishes are available on special order. A sample and approval is required.

Waterborne acrylic and polyester powder coat will withstand 100 hours of salt spray (ANSI requires 25 hours).

Specify BHMA Designation	Description
600[1]	Prime Coat
605[2]	Bright Brass
606[2]	Satin Brass
611[2]	Bright Bronze
612[2]	Satin Bronze
613E	Dark Oxidized Satin Bronze - Equivalent
619[2]	Satin Nickel
625[2]	Bright Chrome
626[2]	Satin Chrome

Specify BHMA Designation	Description	Complements the following finishes
689	Aluminum	628, 625, 629, 630, 651, 652
690	Statuary Bronze	640, 613
691	Dull Bronze	612, 637, 639
693	Black	315
694	Medium Amber	313
696	Gold	605, 606, 632, 633
BSP	Black Suede Powder	
WSP	White Suede Powder	

1 600 is a special rust-inhibiting prime coat. Closers can be ordered prime coat only (specify closer x 600). An additional charge applies if finish coat is required over prime coat.
2 Plated finish

- Closer bodies and plastic covers are available in waterborne acrylic finishes. Arms and metal covers are available in powder coat or plated finishes.
- When a plated finish is ordered, arm and cover will be plated unless "cover only" is specified.

8000 SERIES

ARCHITECTURAL DOOR CLOSER

HOW TO ORDER

For optimum protection of door and frame assemblies, always use auxiliary wall, floor, or overhead door stop.

CLP	8	5	0	1	T
Prefixes	**First Digit**	**Second Digit**	**Third Digit**	**Fourth Digit**	**Suffixes**
	Defines Closer Series	Specifies Cover Options	Specifies Some Options	Specifies Closer Size	

Appearance Options
1 - without cover
3 - closer with Slim Line cover
5 - closer with Full cover

1 - Adjustable 1-6

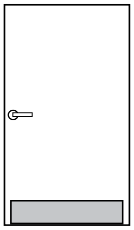
0 - Specifies standard type arms for non-hold open, hold open closers
4 - Specifies low profile slide track
8 - Specifies a low profile arm for non-hold open closers only

No Prefix -	8301/8501 series designates Tri-Style®
S -	8301/8501 regular arm application only, non-hold open
JS -	8301/8501 top jamb application only, non-hold open
P -	8301/8501 parallel arm application only, non-hold open 8381/8581 low profile closer
J -	Top Jamb installation. 2-3/4 to 7" reveal - 150° swing
PR -	Parallel rigid arm (parallel arm only - specify hand for hold open functions)
PRO -	Parallel rigid arm with offset soffit plate (parallel arm only - specify hand for hold open applications)
PS -	For push side mounted slide track only
R -	Regular rigid heavy-duty arm (Torx® screws not included)
CLP -	CloserPlus® arm (parallel arm only)
CPS -	CloserPlus Spring™ arm (parallel arm only)
UNI -	Unitrol® arm (parallel arm only - specify door width)
UNIJ -	Unitrol arm (top jamb only - specify frame reveal)

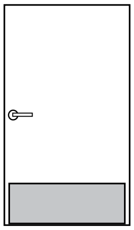
No Suffixes -	Standard non-hold open arm
H -	Standard hold open arm
M -	Metal cover; optional for series 8501 closers only (Specify hand for Top Jamb closer
MLL -	Lead lined metal cover
A -	Optional Architectural Plastic cover (8501 only)
MA -	Optional Architectural Metal cover (8501 only)
T -	Thumbturn hold open on CloserPlus (CLP) & CloserPlus Spring (CPS) arms
DA -	Adjustable delayed action closing optional. Available with adjustable backcheck cushioning for all series
ST -	Slide track single lever arm (pull side standard. For push side prefix PS)
ST-180 -	Slide track single lever (pull side only); 180° swing
DE -	Pull side slide track arm for double egress frame with reveal (Handed)
G -	ABS cover
R -	Ramp hold open on CloserPlus® arm

Note:

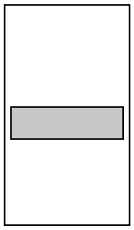
- Before installing a door closer, verify the accessibility, fire, and life-safety requirements that are in effect. This includes the mounting height and projection into the clear opening. Check the adopted state and local building codes and consult the Authority Having Jurisdiction (AHJ)
- To maintain the warranty and ensure proper operation of the product, follow the installation instructions & templates and install on the inside of the building.
- Consult NFPA 80 for the hinge requirements on a fire door.
- Failure to use fasteners supplied with closer may void factory warranty.
- Optional fasteners are available for a variety of applications. Consult the door and frame manufacturer to ensure the proper fasteners are used to maintain certifications.
- Sizing charts are based on 1-3/4" x 7' standard weight doors swinging to 110°. Other application conditions (e.g. larger door heights or weight) may require larger size closer. Adjusting the spring power to meet the low opening force requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, may not provide adequate closing power to dependably close and latch the door in some conditions (i.e. air movement from wind gusts or building stack pressure).



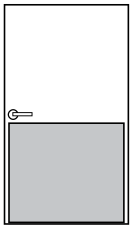
Mop Plate
Up to 6"h x 48"w



Kick Plate
6" to 12"h x 48"w



Stretcher Plate
6" to 12"h and up to 48"w



Armor Plate
Up to 48"h x 48"w and available in most finishes

OPTIONAL Self-Drilling TEK Screws: Cuts door plate installation time in half.

Width of Plates:
Push Side: 2" less than door width.
Pull Side: $1^{1}/_{2}$" less than door width.

NFPA 80 STANDARDS — 2-4.5 Protection Plates: Factory-installed protection plates shall be installed in accordance with the listing of the door. Field-installed protection plates shall be labeled and installed in accordance with their listing.

Exception: Labeling is not required where the top of the protection plate is not more than 16" (406 mm) above the bottom of the door.

Metal Door Plate – Economy Duty No. K1038

Material: .038" stainless steel
Finishes: US32D
Fastener: #6 x $^{5}/_{8}$" OH SMS
Ordering: Specify height x width x finish code. Add any options
Weight: 8" x 34" = 3.2 lbs
Features: • All edges come beveled
Options:
- SA – self-adhesive mounting
- TORX – security Torx screws
- TEK – self-drilling screws
- Cutouts for locks, louvers, or windows (see worksheets on pages C14-C15 for details on how to order)

Metal Door Plate - Standard Duty No. K1050

Material: .050" Stainless Steel
Finishes: US32D
Fastener: #6 x 5/8" OH SMS
Features: • All edges come beveled
Options:
- One day shipping available
- Door markings are not available on quick ship

Metal Door Plate – Standard Duty No. K1050, K1050F

Material: .050" aluminum, brass, bronze, stainless steel
Finishes: 10BE, US32D, US32DMS
Fastener: #6 x $^{5}/_{8}$" OH SMS
Ordering: Specify height x width x finish code. Add any options
Weight: 8" x 34" = 4.0 lbs
ANSI: J101 - metal armor plate, J102 - metal kick plate, J103 - metal stretcher & mop plate
Features: • All edges come beveled
Options:
- SA – self-adhesive mounting
- TEK – self-drilling screws
- Cutouts for locks, louvers, or windows (see worksheets on pages C14-C15 for details on how to order)
- Heavy bevel available, specify HVBEV
- Screw mounting (K1050F) and UL listed for use on 90-minute label wood doors and 3-hour label metal doors
- CSK – countersunk holes
- TORX – security Torx screws

Windstorm Plate – K1050WS

Material: 050" Aluminium, Brass, Bronze, Stainless Steel
Finishes: Standard Architectural Finishes
Fastener: #10x$^{5}/_{8}$" Pan Head Tek Screws
Ordering: Part # when ordering is K1050WS
All plates are UL and Windstorm rated
Features: • All edges come beveled
Options:
- Cutouts for locks, louvers or windows
- Rounded Corners
- Heavy Bevel
- Screw Mount only

Certified to the below standards:
- ICC-500 (2014)
- FEMA Guideline 320 (2014)
- FEMA Guideline 361 (2015)

Part of windstorm assembly cards: ZHLA.45, ZHLA.46, ZHLA.47, ZHLA.51, ZHLA.53, ZHLA.54

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Solid Cast Wall Stops No. 400, 401, 402

Material: Cast brass with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features: Concealed mounting, convex bumper. Back plate prevents damage to wall

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
400	Convex	#6 x $1^{1}/_{2}$" FH SMS, plastic toggle	$2^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02101
401	Convex	#8 x 1" RH WS, plastic anchor	$2^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02101
402	Convex	#8 - 32 x 1" TH MS, lead anchor	$2^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02101

Solid Cast Wall Stops No. 403, 404, 405

Material: Cast brass with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features: Concealed mounting, concave bumper. Back plate prevents damage to wall

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
403	Concave	#6 - $1^{1}/_{2}$" FH SMS, plastic toggle	$2^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02251
404	Concave	#8 x 1" RH WS, plastic anchor	$2^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02251
405	Concave	#8 - 32 x 1" TH MS, lead anchor	$2^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02251

Wrought Wall Stops No. 406

Material: Wrought brass, bronze, and stainless steel with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features:
- Concealed mounting, convex bumper. Back plate prevents damage to wall
- Accepted by the New York State Office of Mental Health (OMH) for use in high risk areas

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
406	Convex	#8 x $1^{1}/_{4}$" TH SMS, plastic toggle	$2^{1}/_{2}$" dia.	$^{3}/_{4}$"	1.8 lbs./10	L02101

Wrought Wall Stops No. 409

Material: Wrought brass, bronze, and stainless steel with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features:
- Concealed mounting, concave bumper. Back plate prevents damage to wall
- Accepted by the New York State Office of Mental Health (OMH) for use in high risk area

Options: DuraFlex bumper available in standard gray or optional black

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
409	Concave	#8 x $1^{1}/_{4}$" TH SMS, plastic toggle	$2^{1}/_{2}$" dia.	$^{3}/_{4}$"	1.8 lbs./10	L02251

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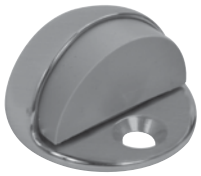


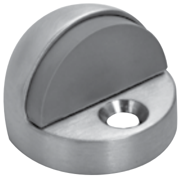
Light Duty Low Dome Floor Stop No. 438

Material: Cast with rubber bumper

Finishes: US26D or US10B only

Features: For doors without thresholds (not undercut)

No.	Fastener	Base	Height	Weight	ANSI A156.16
438	plastic anchor and one screw	$^{1}/_{8}$" h x $1^{11}/_{16}$" dia.	1"	1 lb./10	L02141



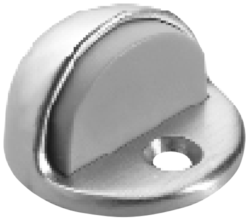
Light Duty High Dome Floor Stop No. 439

Material: Cast with rubber bumper

Finishes: US26D or US10B only

Features: For doors with thresholds or undercut doors

No.	Fastener	Base	Height	Weight	ANSI A156.16
439	plastic anchor and one screw	$^{3}/_{8}$" h x $1^{3}/_{4}$" dia.	$1^{1}/_{4}$"	1.5 lbs./10	L02141



Low Dome Stops No. 440, 441

Material: Solid cast brass with DuraFlex bumper

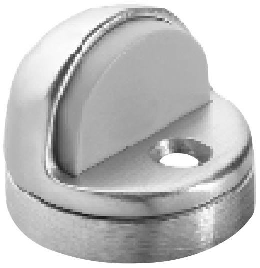
Finishes: Available in standard architectural finishes (see page 9)

Other: No. 441 is packed with both WS and MS fasteners

Features: For doors without thresholds (not undercut).

Options: Exterior pack screw packs, stainless steel plated to match — use EXP suffix (440 x EXP) when ordering.

No.	Fastener	Base	Height	Weight	ANSI A156.16
440	#12 x $1^{1}/_{4}$" FH WS, plastic anchor	$^{1}/_{4}$" h x $1^{7}/_{8}$" dia.	$1^{1}/_{8}$"	2.1 lbs./10	L02141
441	#12 x $1^{1}/_{2}$" FH WS, plastic anchor; #12 - 24 x 1" FH MS, lead anchor	$^{1}/_{4}$" h x $1^{7}/_{8}$" dia.	$1^{1}/_{8}$"	2.5 lbs./10	L02141



Dome Stop Combination Unit No. 441CU

Material: Solid cast brass with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Other: Set consists of 1 each No. 441 and 1 each No. 444. For use at doors with or without a threshold

Features: Convertible for undercut or not undercut doors

Options: Exterior pack screw packs, stainless steel plated to match — use EXP suffix (441CU x EXP) when ordering

No.	Fastener	Base	Height	Weight	ANSI A156.16
441CU	#12 x $1^{1}/_{2}$" FH WS, plastic anchor; #12 - 24 x $1^{1}/_{2}$" FH MS, lead anchor	Dome stop: $^{1}/_{4}$" h x $1^{7}/_{8}$" dia. Riser: $^{3}/_{8}$" h x 2" dia.	$1^{1}/_{8}$" or $1^{1}/_{2}$"	3 lbs./10	L02141/ L02161
444	Cast riser only	$^{3}/_{8}$" h x $1^{7}/_{8}$" dia.	$^{3}/_{8}$"	10 ozs./10	L02141

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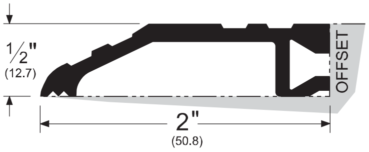
HALF SADDLE THRESHOLDS *(Cont.)*

252_

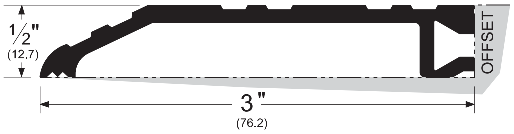
AVAILABLE FINISHES: **10BE, A, B, BSP, D, WSP**
ANSI (aluminum): **J33100, J33130**
ANSI (brass): **J13100, J13130**



♿ 10C BHMA CERTIFIED

253_

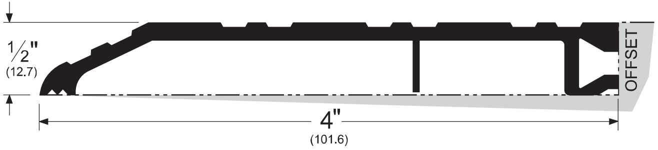
AVAILABLE FINISHES: **10BE, A, B, BSP, D, WSP**
ANSI (aluminum): **J33100, J33130**
ANSI (brass): **J13100, J13130**



♿ 10C BHMA CERTIFIED

254_

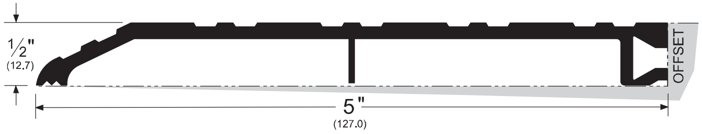
AVAILABLE FINISHES: **10BE, A, B, BSP, D, G, WSP**
ANSI (aluminum): **J33100, J33130**
ANSI (brass): **J13100, J13130**



♿ 10C BHMA CERTIFIED

255_

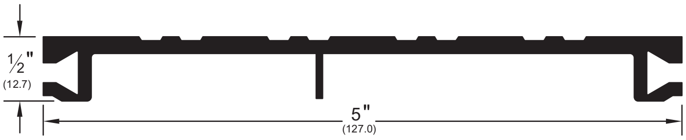
AVAILABLE FINISHES: **10BE, A, B, BSP, D, G, WSP**
ANSI (aluminum): **J33100, J33130**
ANSI (brass): **J13100, J13130**



♿ 10C BHMA CERTIFIED

2555_

AVAILABLE FINISHES: **10BE, A,BSP, D, WSP**
ANSI (aluminum): **J33100**

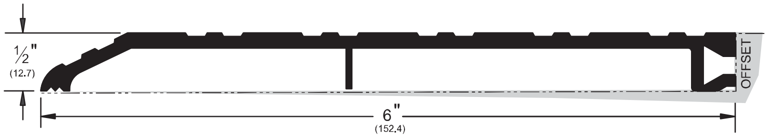


♿* 10C BHMA CERTIFIED

* 2555_ can be combined with other half saddles on one or both sides. If combined only on one side, the opposite side should be mounted flush with an existing offset. Either stated application is required for this to be ADA-compliant.

256_

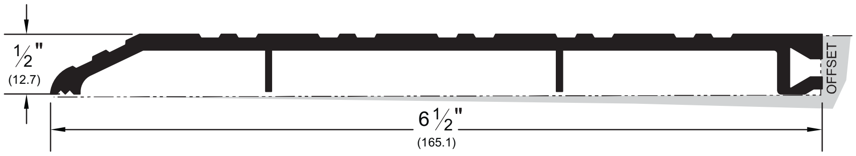
AVAILABLE FINISHES: **10BE, A, BSP, D, WSP**
ANSI (aluminum): **J33100, J33130**



♿ 10C BHMA CERTIFIED

2565_

AVAILABLE FINISHES: **10BE, A, BSP, D, WSP**
ANSI (aluminum): **J33100, J33130**



♿ 10C BHMA CERTIFIED

NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum) **B** (Mill Finish Extruded Bronze [Brass])
BSP (Black Suede Powder Coated Aluminum) **D** (Dark Bronze Anodized) **G** (Gold Anodized)
WSP (White Suede Powder Coated Aluminum)

NOTE: **G** is available with limited inventory

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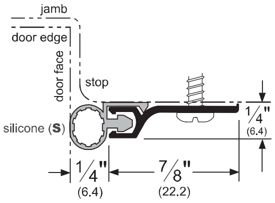
STANDARD PERIMETER GASKETING

- Rigid jamb weatherstrip shown mounted on openings with 1/16" gaps; however, each weatherstrip can seal gaps up to the depth of its seal. Seal depth provided on each illustration (example: the **303** has a 1/4" seal; therefore, it can seal up to a 1/4" gap)
- Punched on 6" centers with slotted holes for adjustment
- Model 303 is available with self-adhesive two-sided tape (TST) and tek screws (3 slotted holes per part) for easy installation. To obtain this option, add “TST” to the end of the part when ordering (example: **303AVTST**)
- Pemko is continually commissioning tests for acoustic assemblies. More profiles may be tested from this category. Please contact Customer Service if the options here don't suit your application.

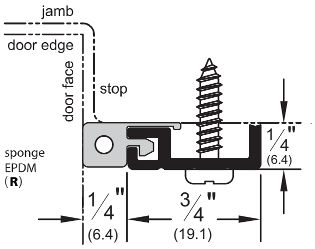
303_S

AVAILABLE FINISHES:
10BE, A, BSP, C, D, G, PW, SN, WSP
REPLACEMENT INSERT: **S3 (BL, GR, W)**
ANSI: **R3E164, R3E165**



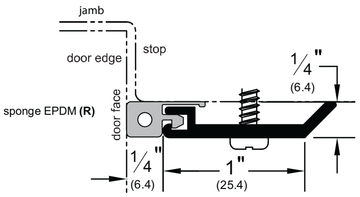
312_R

AVAILABLE FINISHES: **10BE, BSP, C, D, WSP**
REPLACEMENT INSERT: **ER9BL (BL)**
ANSI (alum): **R3G164, R3G165**



315_R

AVAILABLE FINISHES: **10BE, BSP, C, D, WSP**
REPLACEMENT INSERT: **ER9BL (BL)**
ANSI (alum): **R3G164, R3G165**



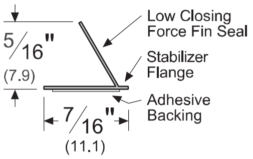
SILICONSEAL ADHESIVE-BACKED GASKETING

- SiliconSeal is extruded from high-temperature silicone; effective between -58°F and 450°F
- Self-extinguishing and non-toxic; unaffected by sunlight, ozone, and ultraviolet rays
- Impervious to fungus and mildew; will not deteriorate under normal exposure
- Meets FAR 25.853 Airworthiness Standards for Compartment Interiors

S44_

AVAILABLE FINISHES: **BL, C, D, GR, W**
AVAILABLE LENGTHS: **17', 18', 20', 21', 25', 30', 204', 510'**
ANSI: **R0E154, R0E155**

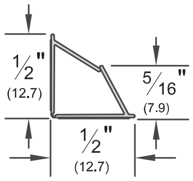
- Designed for tighter frames
- Demonstrates extremely low closing force
- Seal begins compressing at 5/16"; compresses to seal up to a 1/16" gap



S442_

AVAILABLE FINISHES: **BL, D, W**
AVAILABLE LENGTHS: **17', 18', 20', 21', 25', 30', 510'**
ANSI: **R0E154, R0E155**

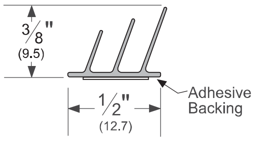
- Fits flush into corner
- Seal begins compressing at 5/16"; compresses to seal up to a 1/16" gap in either direction



S773_

AVAILABLE FINISHES: **BL, D, GR, W**
AVAILABLE LENGTHS: **17’, 18’, 20’, 21’, 25’, 30’, 250’, 500’**
ANSI: **R0E154, R0E155**

- Triple-fin design effectively blocks light and sound from infiltrating a room
- Seal begins compressing at 3/8"; compresses to seal up to a 3/32" gap



NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
Metal: **10BE** (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum)
BSP (Black Suede Powder Coated Aluminum) **D** (Dark Bronze Anodized) **G** (Gold Anodized)
PW (Painted White) **SN** (Satin Nickel Anodized) **WSP** (White Suede Powder Coated Aluminum)
SiliconSeal: **BL** (Black) **C** (Clear) **D** (Dark) **GR** (Gray) **W** (White)

Experience a safer
and more open world

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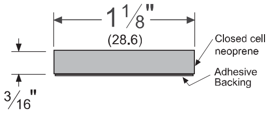
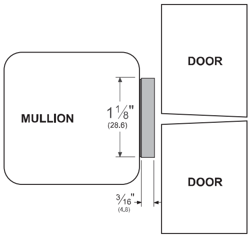
ADHESIVE-BACKED MULLION GASKETING

5110_

AVAILABLE FINISH: **BL**
AVAILABLE LENGTHS: **120"**
ANSI: **R0C004**



1 1/8"
(28.6)
3/16"
(4.8)
Closed cell neoprene
Adhesive Backing

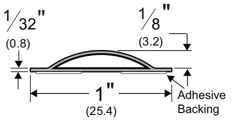


MULLION
DOOR
DOOR
1 1/8"
(28.6)
3/16"
(4.8)

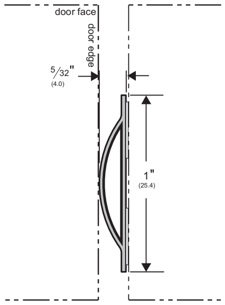
ADHESIVE-BACKED ASTRAGAL SEAL

S1125 _

AVAILABLE FINISH: **D**
AVAILABLE LENGTHS: **7', 8', 10'**



1/32"
(0.8)
1/8"
(3.2)
1"
(25.4)
Adhesive Backing



door face
door edge
5/32"
(4.0)
1"
(25.4)

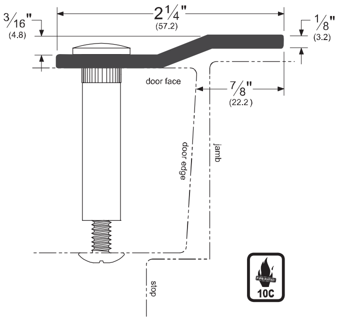
OFFSET SECURITY BAR

- For use on single outswing wood or metal doors
- Covers gap between the door and jamb for the full door height, preventing prying and manipulation
- 3572_ supplied drilled 12" on center with 3/8" holes; "ND" denotes "no drill"

3572_
3572_ND

AVAILABLE FINISHES:
SP, SPBSP, SPWSP,
SS (#4 Finish & #4 Edge)
AVAILABLE LENGTHS:
80", 84" and 96"

10 GAUGE

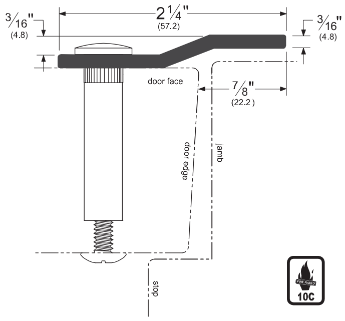


3/16"
(4.8)
2 1/4"
(57.2)
1/8"
(3.2)
door face
7/8"
(22.2)
door edge
jamb
stop
10C

3572PP7
3572PP7ND

AVAILABLE FINISHES:
PP
AVAILABLE LENGTHS:
84"

7 GAUGE



3/16"
(4.8)
2 1/4"
(57.2)
3/16"
(4.8)
door face
7/8"
(22.2)
door edge
jamb
stop
10C

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
BL (Black) **D** (Dark Brown) **PP** (Prime Painted) **SP** (Galvanized Steel)
SS (See Individual Part) **SPBSP** (Black Suede Powder Coated Steel)
SPWSP (White Suede Powder Coated Steel)

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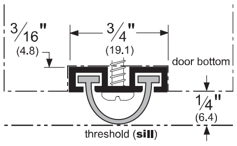
SPECIALTY DOOR BOTTOMS

- May be used in many different applications. Some of these shapes may be used as meeting stile gasketing; see page 174 for examples
- Supplied Net Length (as ordered)

313_N

AVAILABLE FINISHES: **A, D, G**
REPLACEMENT INSERT:
E1 (BL, GR)
ANSI: **R3G416**

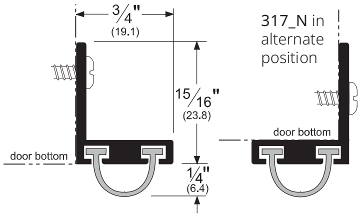


3/16"
(4.8)
3/4"
(19.1)
door bottom
1/4"
(6.4)
threshold (sill)

EPDM (**N**)

317_N

AVAILABLE FINISHES: **A, BSP, D**
REPLACEMENT INSERT: **E1 (BL, GR)**
ANSI: **R3G416**

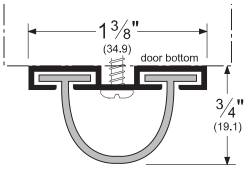


3/4"
(19.1)
317_N in alternate position
15/16"
(23.8)
door bottom
door bottom
1/4"
(6.4)

EPDM (**N**)

314_N

AVAILABLE FINISHES: **C, D, G**
REPLACEMENT INSERT: **E3 (BL, GR)**
ANSI: **R3G416**



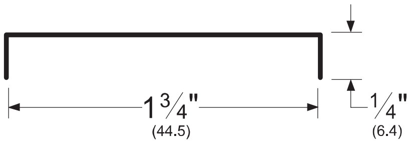
1 3/8"
(34.9)
door bottom
3/4"
(19.1)

EPDM (**N**)

DOOR TOP WEATHERSTRIP

_344

AVAILABLE FINISHES: **PA**
AVAILABLE LENGTHS: **36", 48"**

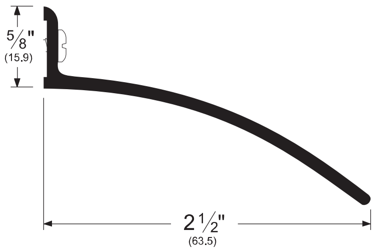


1 3/4"
(44.5)
1/4"
(6.4)

346_

AVAILABLE FINISHES: **10BE, BSP, C, D, WSP**

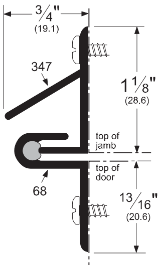
- Overhead rain drip with slotted holes
- Should be ordered a minimum of 4" longer than the door width



5/8"
(15.9)
2 1/2"
(63.5)

347_
68_R

AVAILABLE FINISHES: **A, D, G**



3/4"
(19.1)
347
1 1/8"
(28.6)
top of jamb
top of door
68
13/16"
(20.6)

HEAVY DUTY DOOR BUMPER

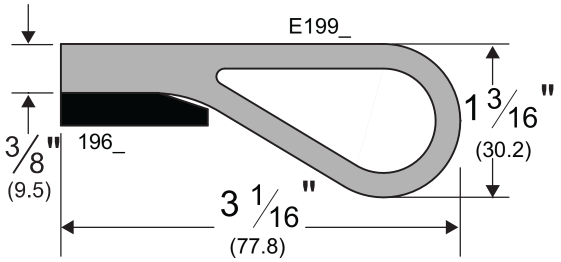
- Heavy duty door bumper extruded from black EPDM (E)
- Order 196_ separately; furnished undrilled unless requested otherwise

E199_

AVAILABLE COLOR: **BL**

196_

AVAILABLE COLOR: **A**



E199_
196_
3/8"
(9.5)
1 3/16"
(30.2)
3 1/16"
(77.8)

NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum) **BSP** (Black Suede Powder Coated Aluminum)
C (Clear Anodized) **D** (Dark Bronze Anodized) **G** (Gold Anodized) **PA** (Painted Aluminum)
WSP (White Suede Powder Coated Aluminum)
Non-Metal Finish: **BL** (Black)

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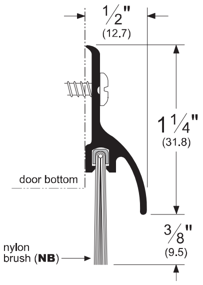
DOOR BOTTOM SWEEPS *(Cont.)*

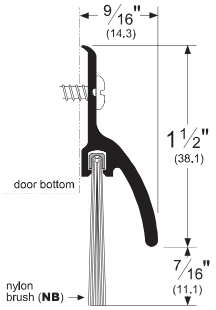
3452_NB

AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P14075 (BL, GR)
ANSI: **R3A534**


1/2" (12.7)
1 1/4" (31.8)
door bottom
3/8" (9.5)
nylon brush (NB)

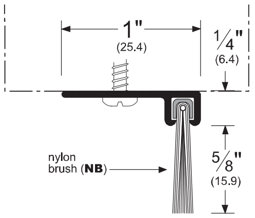
345_NB

AVAILABLE FINISHES:
A, BSP, D, G, WSP
REPLACEMENT INSERT:
P14100 (BL, GR)
ANSI: **R3A534**


9/16" (14.3)
1 1/2" (38.1)
door bottom
7/16" (11.1)
nylon brush (NB)

90062_NB

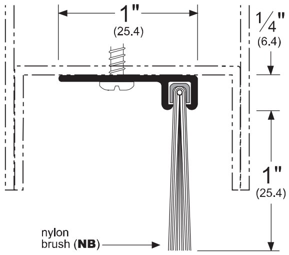
AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P516062 (BL, GR, W)
ANSI: **R3A414**


1" (25.4)
1/4" (6.4)
nylon brush (NB)
5/8" (15.9)

90100_NB

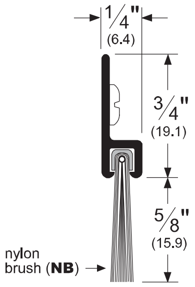
AVAILABLE FINISHES:
BSP, C, D, WSP
REPLACEMENT INSERT:
P516100 (BL, GR, W)
ANSI: **R3A414**

For hollow metal doors with inverted channel


1" (25.4)
1/4" (6.4)
1" (25.4)
nylon brush (NB)

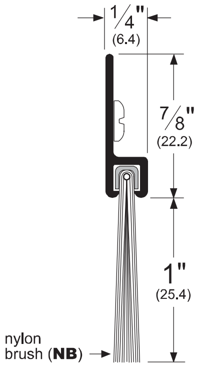
18061_NB

AVAILABLE FINISHES:
BSP, C, D, G, SN, WSP
REPLACEMENT INSERT:
P516062 (BL, GR, W)
ANSI: **R3A434**


1/4" (6.4)
3/4" (19.1)
5/8" (15.9)
nylon brush (NB)

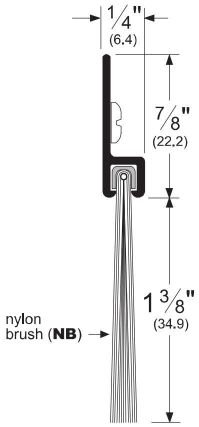
18100_NB

AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P38100 (BL, GR)
ANSI: **R3A434**


1/4" (6.4)
7/8" (22.2)
1" (25.4)
nylon brush (NB)

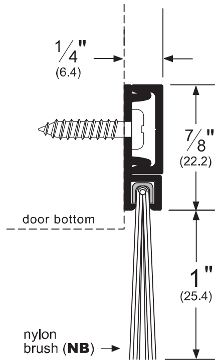
18137_NB

AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P38137 (BL, GR)
ANSI: **R3A434**


1/4" (6.4)
7/8" (22.2)
1 3/8" (34.9)
nylon brush (NB)

293100_NB

AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P516100 (BL, GR)


1/4" (6.4)
7/8" (22.2)
door bottom
1" (25.4)
nylon brush (NB)

NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
A (Mill Finish Aluminum) **BSP** (Black Suede Powder Coat) **C** (Clear Anodized)
D (Dark Bronze Anodized) **G** (Gold Anodized) **SN** (Satin Nickel Anodized)
WSP (White Suede Powder Coat)

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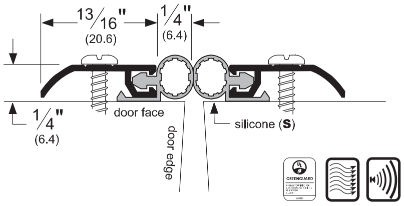
ASTRAGAL AND MEETING STILE GASKETING – SPLIT ASTRAGALS

- Astragals and meeting stiles with a fire label may be mounted on pairs of doors wherein the gap meets the requirements of **NFPA 80, 6.3.1.7.1 "The clearance between... the meeting edges of doors swinging in pairs on the pull side shall be 1/8" ± 1/16" (3.18mm ± 1.59mm) for steel doors and shall not exceed 1/8" (3.18mm) for wood doors"**
- Punched with slotted holes for adjustment
- Order split astragals at two (2) pieces by door height per set of double doors. When ordering add "/2" to the end of the part number to specify 2 pieces (i.e. order quantity 1 each 303AS84/2 to get two lengths at 84 inches)
- Clear anodized brush products are supplied with gray brush. Painted white brush products are supplied with white brush when available, otherwise black brush is supplied. All other finishes supplied with black brush. Black brush is available for clear anodized and painted white brush products upon request.

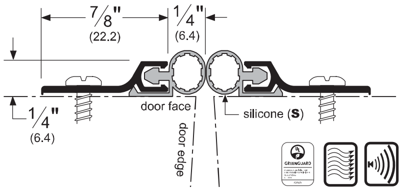
297_S

AVAILABLE FINISHES:
10BE, A, BDG, BSP, D, PW, SN, WSP
REPLACEMENT INSERT:
S3 (BL, W)
ANSI: **R3E734, R3E735**



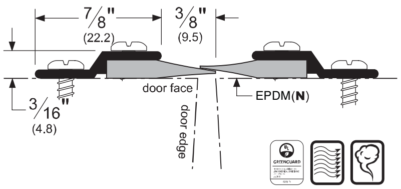
303_S

AVAILABLE FINISHES:
10BE, A, BSP, C, D, G, PW, SN, WSP
REPLACEMENT INSERT:
S3 (BL, W)
ANSI: **R3E734, R3E735**



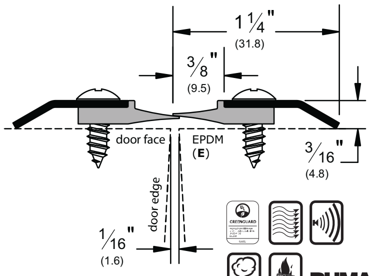
305_N

AVAILABLE FINISHES:
10BE, B, BSP, C, D, WSP
REPLACEMENT INSERT:
E2 (BL)
ANSI: **R3G734, R3G735**



305SSE

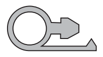
AVAILABLE FINISHES:
SS (#4 Finish)
REPLACEMENT INSERT:
E2 (BL)
ANSI: **R5G734, R5G735**



Alternate Inserts For 297

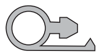
297_PK

AVAILABLE FINISHES:
10BE, A, BDG, BSP, D, PW, SN, WSP
REPLACEMENT INSERT:
PK47 (BL, GR)
ANSI: **R3G734, R3G735**


PemkoPrene™ **(PK)**

297_V

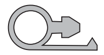
AVAILABLE FINISHES:
10BE, A, BDG, BSP, D, PW, SN, WSP
REPLACEMENT INSERT:
EV47 (BL, GR, W)


Eco-V™ **(V)**

Alternate Inserts For 303

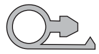
303_PK

AVAILABLE FINISHES:
10BE, A, BSP, C, D, G, PW, SN, WSP
REPLACEMENT INSERT:
PK47 (BL, GR)
ANSI: **R3G734**


PemkoPrene™ **(PK)**

303_V

AVAILABLE FINISHES:
10BE, A, BSP, C, D, G, PW, SN, WSP
REPLACEMENT INSERT:
EV47 (BL, GR, W)


Eco-V™ **(V)**

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum) **BDG** (Bright Dip Gold Anodized) **BSP** (Black Suede Powder Coated Aluminum) **C** (Clear Anodized) **D** (Dark Bronze Anodized) **G** (Gold Anodized) **PW** (Painted White) **SN** (Satin Nickel Anodized) **WSP** (White Suede Powder Coated Aluminum)

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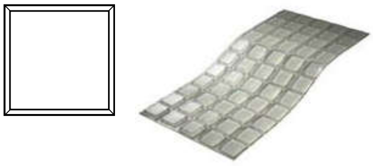


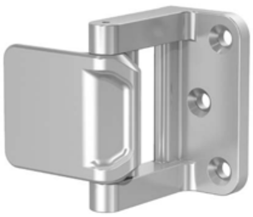
Wall Guard No. 606-RKW

Material: Clear rubber

Other: Sold in sheets of 55

Features: Self-adhesive mounting

No.	Fastener	Size	Weight
606-RKW	Self-adhesive back	1"x1"	0.4 lbs./55



PDLAA

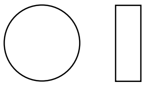
Privacy Door Latch No. PDLAA

Material: Zinc die cast

Finishes: US26D, US26, US15, BSP, US3, US4, 10BE

Features:
- ADA compliant
- Enhanced in room privacy
- Easy to install
- For use with UL Classified fire doors for use with hollow metal steel composite type fire doors rated up to and including 3 hrs Wood composite type fire doors rated up to and including $1\frac{1}{2}$ hrs and 20 minutes without hose stream

No.	**Fastener**	**Size**	**Weight**
PDLAA	#12 x 1-1/4" FH SMS	$1\frac{1}{2}$"x$2\frac{3}{16}$"	0.8 oz.



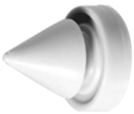
Door Silencer No. 608CA

Material: Clear rubber

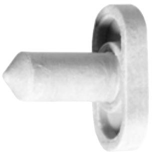
Other: Sold in packages of 300

Features: Self-adhesive mounting

No.	Fastener	Size	Weight
608CA	$\frac{3}{8}$"dia.x$\frac{1}{8}$"	Metal or wood	0.2 lbs./300



608



609

Door Silencers No. 608-RKW, 609

Material: Gray rubber

Other: Sold in packages of 100

No.	**Size**	**Frame Type**	**Weight**	**ANSI A156.16**
608-RKW	$\frac{1}{2}$"dia.x$\frac{5}{8}$"	Metal	1.3 lbs./500	L03011
609	$\frac{3}{8}$"x$\frac{3}{4}$"	Wood	1.3 lbs./500	L03021

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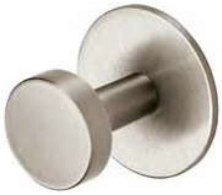
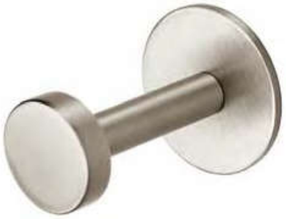
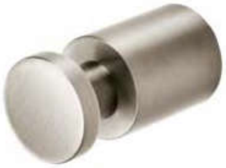
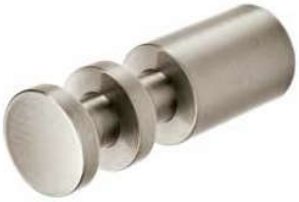
Coat Hooks

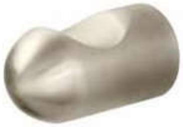
Available in most architectural finishes, our collection of coat hooks add an element of convenience to enhance any environment.

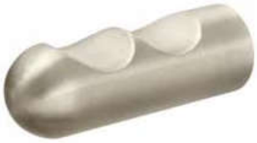

RM801

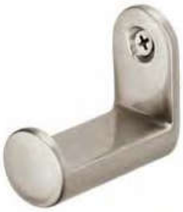

RM802


RM803


RM804


RM805
RM807


RM806
RM808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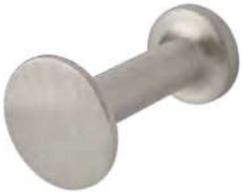
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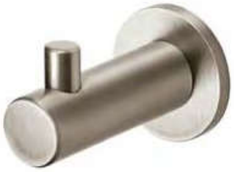
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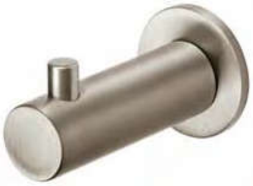
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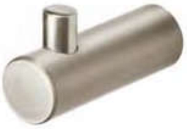
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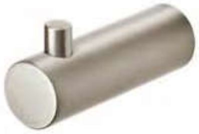
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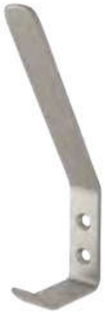
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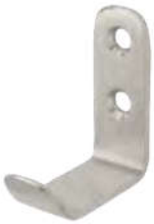

RM829

ESSENTIAL COAT HOOKS

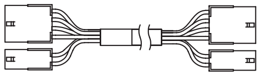
Part	Size	Part	Size
RM801	1¼" x 1¾"	RM811	¾" x 1⅝"
RM802	1¼" x 2¾"	RM812	1¼" x 2¼"
RM803	1" x 2"	RM820	½" x 1⅝"
RM804	1" x 3"	RM821	⅝" x 2⅛"
RM805	1" x 1¾"	RM822	½" x 1½"
RM806	1" x 3"	RM823	⅝" x 2"
RM807	1¼" x 2⅛"	RM828	¾" x 2⅞"
RM808	1¼" x 3½"	RM829	¾" x 1⅞"

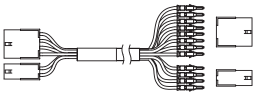
ElectroLynx® Retrofit Cables

If you are not ordering ASSA ABLOY Door Group doors with the ElectroLynx® cable pre-installed in the door, you must order an ElectroLynx® retrofit cable to go between ANY hardware and the hinge. This includes 3" cables to go from the hinge to an exit device and up to a 15' cable to go up and around a full lite metal door.

QC-C1500P Shown

Standard ElectroLynx® Retrofit Cable Sizes





Actual Cable Length	12 Conductor and Molex both ends	12 Conductor and Molex one end, pinned one end	Typical Application
3"	QC-C003	QC-C003P	Between hinge and the end of an exit device.
6"	QC-C006	QC-C006P	
12"	QC-C012	QC-C012P	
26"	QC-C200	QC-C200P	Between hinge and through the door to the lockset or exit device trim.
32"	QC-C206	QC-C206P	
38"	QC-C300	QC-C300P	
44"	QC-C306	QC-C306P	
50"	QC-C400	QC-C400P	
15' 2"	QC-C1500	QC-C1500P	From the hinge location, up the jamb to above the ceiling, or up and around full lite or half lite metal door.
25'	-	QC-C2500P	
30'	-	QC-C3000P	

Custom lengths available.

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and more open world

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Accessories

DPS
Door Position Switches

DPS-W and DPS-M door position switches enable access control systems to monitor the open or closed state of a door.

These switches can transmit an initiate signal to XDT delayed exit logic timers and DPA door prop logic timers.

Features

Standard Features

- Mated magnetic switch and cylindrical magnetic contact
- Recesses into door and frame
- 3/4" [19mm] round installation, 15/16" [23.8125mm] deep
- Provides normally closed SPST switch
- Works with door gap up to 3/4" [18mm]
- Larger cylindrical magnet counters shielding effect of steel
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- Available in white, gray or black

Specifications

Electrical

- Switching Current AC/DC (max): 0.4 A

Environmental

- Operating Temperature: -40° to 150° F [-40° to 65° C]

How to Order

MODEL SERIES	DOOR TYPE	FINISH
DPS	– M	– BK
DPS Door Position Switch	**M** Metal Door	**BK** Black
	W Wood Door	**GY** Gray
		WH White

LIFE
MagnaCare
Warranty

Updated 7/13/22 Printed in the U.S.A. Patent pending and/or patent www.assaabloydss.com/patents

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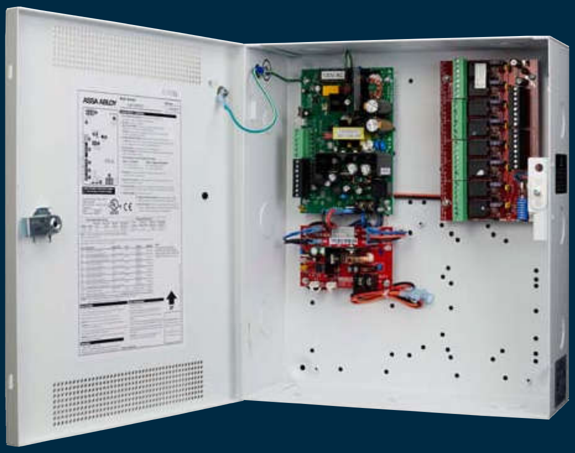
Power

AQL Series

Single, dual & multi-voltage ready intelligent power system



An out-of-the-box solution that offers unique performance and value.

The AQL Series of switching power supplies is an out-of-the-box solution that makes installation easier. It is feature rich, network management ready and available in 12 or 24 VDC single, dual and multi-voltage units.

LIFE
MagnaCare Warranty
Battery Backup

Features

Standard Features

- Low battery cutoff protects batteries from deep discharge
- Dedicated fast charger prolongs battery life
- Enhanced surge immunity for input/output protection
- LockSafe™ keeps locks cooler by providing a separate, dedicated battery charging circuit
- OutSmart™ technology dual-color LED notification which prevents incorrect voltage application to locking devices [Green: 12 V | Blue: 24 V]
- Auxiliary output rated 1.4 A continuous
- Mix and match UL Listing
- Instant auto-switch to battery on AC loss
- Multi-voltage with B100
- Integrated Fire Alarm Interface (FAI) allows main output shutdown or disconnect on a per output basis when using an R8 output module
- Network ready with optional Netlink™ module
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- Enhanced Network Management
    - AC line voltage monitoring
    - Remote battery monitoring and testing
    - 1000 event data recording
    - Email fault reporting

Specifications

Certifications

- UL 294 Listed
- UL 603 Listed
- UL 1076 Listed
- ULC-S318 Listed
- ULC-S319 Listed
- CSA C22.2 #107.1
- RoHS Compliant

Electrical

- 12 VDC or 24 VDC output
- 12 VDC & 24 VDC output (*optional*) with B100
- 120 or 230 VAC input
- Up to 91% efficiency

Environmental

- Operating Temperature: 32˚ to 120˚ F [0˚ to 49˚ C]

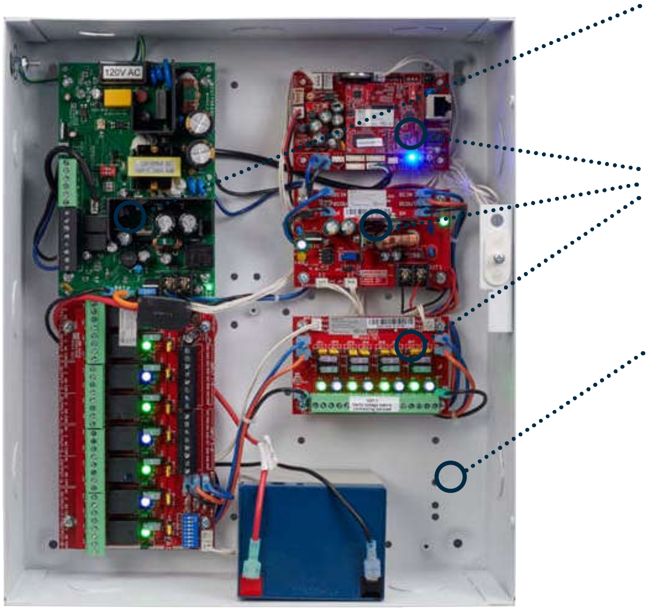
Max Shipping Weight

- 15.50 lbs [7 kg]

Dimensions

- 14"H x 12"W x 4.5"D [355.6mm H x 304.8mm W x 114.3mm D]

Step by Step Configuration



1 *Select One Power Supply Module*

- AQL4
- AQL6
- AQL102
- AQL104

2 *Select Required Modules**

- B100
- R8
- D8
- D8P
- NL4

3 *Choose Enclosure***

- E1

4 *Combine to Generate Final Part Number*

Example:

AQL4 - B100 + D8 + R8 + NL4 + E1 =

AQL4-B100D8R8NL4E1

When ordering more than one module, indicate quantity before the part number to generate final part number; for example AQL4-3D8E1.

***No enclosure = Module PCB only. Each module may be ordered separately.*

Models

MODELS	AMPERAGE	RATED VOLTAGE	INPUT VOLTAGE	TYPICAL OUTPUT VOLTAGE	MULTI-VOLTAGE READY	CLASS 2 OUTPUTS
AQL4*	4	12 VDC	120/230 VAC	12.5 or 25 VDC	Yes	Yes
	3	24 VDC				
AQL6	6	12 or 24 VDC	120/230 VAC	12.5 or 25 VDC	Yes	with PTC distribution boards
AQL102	10	12 VDC	120/230 VAC	12.5 VDC	Yes**	with PTC distribution boards
AQL104	10	24 VDC	120/230 VAC	25 VDC	Yes	with PTC distribution boards

**AQL4 is field selectable. **Multi-voltage of 5 to 9 VDC only*

How to Order

POWER SUPPLY MODULE	SECONDARY VOLTAGE MODULE	DISTRIBUTION MODULE	D8 FUSE STYLE	RELAY MODULE	NETLINK MODULE	ENCLOSURE
AQL4	-B100	2D8	P	R8	NL4	E1
AQL4	**(blank)**	**(blank)**	**(blank)** 3 A ATM Fuse	**(blank)**	**(blank)**	**(blank)** Module Only
AQL6	**B100**	**D8**	**P** 2.5 A PTC Polyswitch	**R8**	**NL4**	**E1**
AQL102		**2D8**		**2R8**		
AQL104		**3D8**		**3R8**		
		4D8				
		5D8				
		6D8				

AQL4 in an E1 enclosure has six module spaces where B100, NL4 and D8/D8P each take up one module space. R8 takes up two module spaces.

AQL6, AQL102 and AQL104 in an E1 enclosure has four module spaces where B100 , NL4 and D8/D8P each take up one module space. R8 takes up two module spaces.

Updated 9/13/22 Printed in the U.S.A. Patent pending and/or patent www.assaabloydss.com/patents

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Engineered Openings, Inc.
192 Anderson Circle
Alto, GA 30510
706-776-7356

Schedule of Hardware

By : Debbie Purcell, AHC, CFADI
For : Jackson Co. Airport

Architect: Goodwyn Mills Cawood, LLC
6120 Powers Ferry Rd NW
Atlanta, GA 30339-

Contractor: Sunbelt Builders
10641 Highway 36
Covington, GA 30014-

Date 11/20/2024

Manufacturer's List

Mfr.	Hardware Used
SA	Rim Exit Device, Rim Exit Device Exit Only, Mullion, Electrified Mortise Lock
MK	Hinge, Full Mortise, Hinge, Full Mortise, Hvy Wt, ElectroLynx Harness
RO	Push Plate, Door Stop, Wall Stop, Silencer, Coat Hook, Pull, Door Pull, Kick Plate, Mop Plate
NO	Surface Closer
YA	Core, Bathroom Lock, Storeroom or Closet Lock, Entry Lock, Classroom Lock, Rim Exit Device, Mullion, Rim Cylinder, Mortise Cylinder
PE	Gasketing, Continuous Hinge, Astragal, Rain Guard, Sweep, Threshold
SU	Electric Power Transfer, Position Switch, Power Supply

Project Keying Legend

Project ID: 24-112 Jackson Co. Airport
Job Number: 24-112

Door ID	Opening Location	HW Set ID	Hand	Keying	Lock Information (Mfr \ Part Desc)	
100A	Exterior From Lobby R100	12.0	RHRA/LHR		YA \ 1193 (1193)	Rim Cylinder
					YA \ 1193 (1193)	Rim Cylinder
					SA \ LC TB 56 8804 ETL (8804)	Rim Exit Device
					YA \ 2196 (2196)	Mortise Cylinder
					YA \ 2196 (2196)	Mortise Cylinder
100B	Exterior From Lobby R100	12.0	RHRA/LHR		YA \ 1193 (1193)	Rim Cylinder
					YA \ 1193 (1193)	Rim Cylinder
					SA \ LC TB 56 8804 ETL (8804)	Rim Exit Device
					YA \ 2196 (2196)	Mortise Cylinder
					YA \ 2196 (2196)	Mortise Cylinder
100C	Lobby R100 To Corridor R119	10.0	LH		SA \ LC IDP NAC-82271-24v LNL (NAC-82271-24v)	Electrified Mortise Lock
					YA \ 2196 (2196)	Mortise Cylinder
104	Corridor R107 From Janitor R104	6.0	RHR		YA \ 1210 (1210)	Core
					YA \ AUR 8805FL (8805FL)	Storeroom or Closet Lock
106A	Corridor R107 To Collaboration Room R106	4.0	LH		SA \ LC TB 56 8804 ETL (8804)	Rim Exit Device
106B	Exterior From Collaboration Room R106	1.0	RHRA/LHR		YA \ 7105 121NL (121NL)	Rim Exit Device
					YA \ 1210 (1210)	Core
					YA \ 1210 (1210)	Core
					YA \ 1210 (1210)	Core
					YA \ 2196 (2196)	Mortise Cylinder
					YA \ KRM200 7'2" (KRM200)	Mullion
106C	Exterior From Collaboration Room R106	1.0	RHRA/LHR		YA \ 7105 121NL (121NL)	Rim Exit Device
					YA \ 1210 (1210)	Core
					YA \ 1210 (1210)	Core
					YA \ 1210 (1210)	Core
					YA \ 2196 (2196)	Mortise Cylinder
					YA \ KRM200 7'2" (KRM200)	Mullion
108	Collaboration Room R106 To Supply R108	6.0	RH		YA \ 1210 (1210)	Core
					YA \ AUR 8805FL (8805FL)	Storeroom or Closet Lock
109	Exterior From Mechanical R109	2.0	RHR		YA \ 1210 (1210)	Core
					YA \ AUR 8805FL (8805FL)	Storeroom or Closet Lock
111	Corridor R107 To Pilot's Area R111	10.0	LH		SA \ LC IDP NAC-82271-24v LNL (NAC-82271-24v)	Electrified Mortise Lock
					YA \ 2196 (2196)	Mortise Cylinder
113	Corridor R107 To Elect Data R113	6.0	RH		YA \ 1210 (1210)	Core
					YA \ AUR 8805FL (8805FL)	Storeroom or Closet Lock
114	Corridor R119 To F.B.O R114	8.0	LH		YA \ AUR 8808FL (8808FL)	Classroom Lock
					YA \ 1210 (1210)	Core
115	Directors Office R116 From Stor. R115	5.0	RHR		YA \ AUR 8808FL (8808FL)	Classroom Lock
					YA \ 1210 (1210)	Core
116	Corridor R119 To Directors Office R116	7.0	LH		YA \ AUR 8807FL (8807FL)	Entry Lock
					YA \ 1210 (1210)	Core
117A	Corridor R119 To Lineman Office R117	7.0	RH		YA \ AUR 8807FL (8807FL)	Entry Lock
					YA \ 1210 (1210)	Core

Project Keying Legend

Project ID: 24-112 Jackson Co. Airport
Job Number: 24-112

Door ID	Opening Location	HW Set ID	Hand	Keying	Lock Information (Mfr \ Part Desc)	
117B	Exterior From Lineman Office R117	2.0	LHR		YA \ 1210 (1210) YA \ AUR 8805FL (8805FL)	Core Storeroom or Closet Lock
118	Lineman Office R117 From Stor. R118	5.0	LHR		YA \ AUR 8808FL (8808FL) YA \ 1210 (1210)	Classroom Lock Core
119	Exterior From Corridor R119	2.0	RHR		YA \ 1210 (1210) YA \ AUR 8805FL (8805FL)	Core Storeroom or Closet Lock
120	Office R121 From Stor. R120	5.0	RHR		YA \ AUR 8808FL (8808FL) YA \ 1210 (1210)	Classroom Lock Core
121	Corridor R119 To Office R121	7.0	LH		YA \ AUR 8807FL (8807FL) YA \ 1210 (1210)	Entry Lock Core
122	Corridor R119 To Office R122	7.0	RH		YA \ AUR 8807FL (8807FL) YA \ 1210 (1210)	Entry Lock Core
123	Office R122 From Stor. R123	5.0	LHR		YA \ AUR 8808FL (8808FL) YA \ 1210 (1210)	Classroom Lock Core
124	Lobby R100 From Visitors Office R124	3.0	LHR		SA \ LC IDP NAC-82271-24v LNL (NAC-82271-24v) YA \ 2196 (2196)	Electrified Mortise Lock Mortise Cylinder

DOOR INDEX

Project ID: 24-112 Jackson Co. Airport

Door Number	Arch Mark	Item Number	Heading #	Keying	Hand
100A	100A	25	12.0		RHRA/LHR
100B	100B	26	12.0		RHRA/LHR
100C	100C	21	10.0		LH
102	102	23	11.0		LH
103	103	24	11.0		LH
104	104	12	6.0		RHR
105	105				NH
106A	106A	7	4.0		LH
106B	106B	1	1.0		RHRA/LHR
106C	106C	2	1.0		RHRA/LHR
108	108	13	6.0		RH
109	109	3	2.0		RHR
110	110	20	9.0		LHR
111	111	22	10.0		LH
112A	112A				NH
113	113	14	6.0		RH
114	114	19	8.0		LH
115	115	8	5.0		RHR
116	116	15	7.0		LH
117A	117A	16	7.0		RH
117B	117B	4	2.0		LHR
118	118	9	5.0		LHR
119	119	5	2.0		RHR
120	120	10	5.0		RHR
121	121	17	7.0		LH
122	122	18	7.0		RH
123	123	11	5.0		LHR
124	124	6	3.0		LHR

Heading #: 1.0

1	PRA/PRI	Door: 106B	Exterior From Collaboration Room R106	RHRA/LHR	90 °
1	PRA/PRI	Door: 106C	Exterior From Collaboration Room R106	RHRA/LHR	90 °

2-3' 0" x 7' 0" x 1 3/4" HMD/HMF

4 EA	Continuous Hinge	CFM83HD1		(HC-1) Pemko
2 EA	Mullion	KRM200 7'2"	600	(MU-2) Yale
2 EA	Rim Exit Device	7105 EO	630	(ED-3) Yale
2 EA	Rim Exit Device	7105 121NL	630	(ED-4) Yale
6 EA	Core	1210	626	(CY-2) Yale
2 EA	Mortise Cylinder	2196	626	(CY-3) Yale
4 EA	Pull	RM201 Mtg-Type 1XHD	US32D	(PP-1) Rockwood
4 EA	Surface Closer	CPS8501	689	(CL-2) Norton
4 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
2 EA	Threshold	252A x 72" MS25SS		(TH-2) Pemko
2 EA	Gasketing	S773BL 20'		(GA-2) Pemko
2 EA	Gasketing	5110BL 120"		(GA-3) Pemko
2 EA	Rain Guard	346C 76 x 0"		(GA-4) Pemko
4 EA	Sweep	3452CNB x 36"		(SW-1) Pemko
2 EA	Astragal	297AS x 84"		(AS-1) Pemko

All other hardware by the door supplier

Heading #: 2.0

1	SGL	Door: 109	Exterior From Mechanical R109	RHR	90 °
1	SGL	Door: 117B	Exterior From Lineman Office R117	LHR	90 °
1	SGL	Door: 119	Exterior From Corridor R119	RHR	90 °

3' 0" x 7' 0" x 1 3/4" HMD/HMF

3 EA	Continuous Hinge	CFM83HD1		(HC-1) Pemko
3 EA	Storeroom or Closet Lock	AUR 8805FL	626	(LO-5) Yale
3 EA	Core	1210	626	(CY-2) Yale
3 EA	Surface Closer	CPS8501	689	(CL-2) Norton
3 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
3 EA	Threshold	252A x 36" MS25SS		(TH-1) Pemko
3 EA	Gasketing	S773BL 17'		(GA-1) Pemko
3 EA	Rain Guard	346C x 40" x 0"		(GA-5) Pemko
3 EA	Sweep	3452CNB x 36"		(SW-1) Pemko

Heading #: 3.0

1	SGL	Door: 124	Lobby R100 From Visitors Office R124	LHR	90 °

3' 7/8" x 6' 9 3/4" x 1 3/4" ALD/ALF

2 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
1 EA	Hinge, Full Mortise	TA2714 QC12 4-1/2" x 4-1/2"	US26D	(HI-2) McKinney
1 EA	Electrified Mortise Lock	LC IDP NAC-82271-24v LNL BIKPS-0E SN200	US32D	(LO-1) Sargent
1 EA	Mortise Cylinder	2196	626	(CY-3) Yale
1 EA	Surface Closer	8501	689	(CL-1) Norton
1 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
1 EA	Wall Stop	403	US26D	(ST-1) Rockwood
1 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
1 EA	ElectroLynx Harness	QC-C012		(EA-2) McKinney
1 EA	ElectroLynx Harness	QC-C1500P		(EA-3) McKinney
1 EA	Power Supply	AQL4-R8E1		(PS-2) Securitron

Elevation and Point to Point as required. Notes: Perimeter/meeting stiles seals by frame/door supplier. Electronic Operation: Valid card or code unlocks outside lever or key retracts latchbolt. Request to exit shows authorized egress. Free egress at all times. In case of power loss, door remains locked and latched. Lock included with card reader, door position switch, and request to exit.

Heading #: 4.0

1	SGL	Door: 106A	Corridor R107 To Collaboration Room R106	LH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

2 EA	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	(HI-3) McKinney
1 EA	Hinge, Full Mortise, Hvy Wt	T4A3786 QC12 4-1/2" x 4-1/2" Middle hinge	US26D	(HI-4) McKinney
1 EA	Rim Exit Device	LC TB 56 8804 ETL SN200 BIKPS-0E	US32D	(ED-1) Sargent
1 EA	Surface Closer	8501	689	(CL-1) Norton
1 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
1 EA	Wall Stop	403	US26D	(ST-1) Rockwood
1 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
3 EA	Silencer	608-RKW		(SI-1) Rockwood
1 EA	ElectroLynx Harness	QC-C012		(EA-2) McKinney
1 EA	ElectroLynx Harness	QC-C1500P		(EA-3) McKinney
1 EA	Power Supply	AQL4-R8E1		(PS-2) Securitron

Elevation and Point to Point as Specified. Notes: Electronic Operation: Valid Card or code unlocks outside lever or key retracts latchbolt. Request to exit shows authorized egress. Free Egress at all times. In case of power loss, door remains locked and latched. Lock included with card reader, door poistion switch, and request to exit.

Heading #: 5.0

1	SGL	Door: 115	Directors Office R116 From Stor. R115	RHR	90 °
1	SGL	Door: 118	Lineman Office R117 From Stor. R118	LHR	90 °
1	SGL	Door: 120	Office R121 From Stor. R120	RHR	90 °
1	SGL	Door: 123	Office R122 From Stor. R123	LHR	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

12 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
4 EA	Classroom Lock	AUR 8808FL	626	(LO-3) Yale
4 EA	Core	1210	626	(CY-2) Yale
4 EA	Wall Stop	403	US26D	(ST-1) Rockwood
4 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
12 EA	Silencer	608-RKW		(SI-1) Rockwood

Heading #: 6.0

1	SGL	Door: 104	Corridor R107 From Janitor R104	RHR	90 °
1	SGL	Door: 108	Collaboration Room R106 To Supply R108	RH	90 °
1	SGL	Door: 113	Corridor R107 To Elect Data R113	RH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

9 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
3 EA	Storeroom or Closet Lock	AUR 8805FL	626	(LO-5) Yale
3 EA	Core	1210	626	(CY-2) Yale
3 EA	Surface Closer	8501	689	(CL-1) Norton
3 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
3 EA	Wall Stop	403	US26D	(ST-1) Rockwood
3 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
9 EA	Silencer	608-RKW		(SI-1) Rockwood

Heading #: 7.0

1	SGL	Door: 116	Corridor R119 To Directors Office R116	LH	90 °
1	SGL	Door: 117A	Corridor R119 To Lineman Office R117	RH	90 °
1	SGL	Door: 121	Corridor R119 To Office R121	LH	90 °
1	SGL	Door: 122	Corridor R119 To Office R122	RH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

12 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
4 EA	Entry Lock	AUR 8807FL	626	(LO-4) Yale
4 EA	Core	1210	626	(CY-2) Yale
4 EA	Wall Stop	403	US26D	(ST-1) Rockwood
4 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
12 EA	Silencer	608-RKW		(SI-1) Rockwood

Heading #: 8.0

1	SGL	Door: 114	Corridor R119 To F.B.O R114	LH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

3 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
1 EA	Classroom Lock	AUR 8808FL	626	(LO-3) Yale
1 EA	Core	1210	626	(CY-2) Yale
1 EA	Surface Closer	8501	689	(CL-1) Norton
1 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
1 EA	Wall Stop	403	US26D	(ST-1) Rockwood
1 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
3 EA	Silencer	608-RKW		(SI-1) Rockwood

Heading #: 9.0

1	SGL	Door: 110	Pilot's Area R111 From Bath R110	LHR	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

3 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
1 EA	Bathroom Lock	AUR 8862FL V21	626	(LO-2) Yale
1 EA	Surface Closer	8501	689	(CL-1) Norton
1 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
1 EA	Mop Plate	K1050 4" x 35" CSK	US32D	(KP-3) Rockwood
1 EA	Wall Stop	403	US26D	(ST-1) Rockwood
1 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
3 EA	Silencer	608-RKW		(SI-1) Rockwood
1 EA	Coat Hook	RM802	US32D	(OT-1) Rockwood

Heading #: 10.0

1	SGL	Door: 100C	Lobby R100 To Corridor R119	LH	90 °
1	SGL	Door: 111	Corridor R107 To Pilot's Area R111	LH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

4 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
2 EA	Hinge, Full Mortise	TA2714 QC12 4-1/2" x 4-1/2"	US26D	(HI-2) McKinney
2 EA	Electrified Mortise Lock	LC IDP NAC-82271-24v LNL BIKPS-0E SN200	US32D	(LO-1) Sargent
2 EA	Mortise Cylinder	2196	626	(CY-3) Yale
2 EA	Surface Closer	8501	689	(CL-1) Norton
2 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
2 EA	Wall Stop	403	US26D	(ST-1) Rockwood
2 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
6 EA	Silencer	608-RKW		(SI-1) Rockwood
2 EA	ElectroLynx Harness	QC-C012		(EA-2) McKinney
2 EA	ElectroLynx Harness	QC-C1500P		(EA-3) McKinney
2 EA	Power Supply	AQL4-R8E1		(PS-2) Securitron

Elevation and Point to Point as Specified. Electronic Operation: Valid card or code unlocks outside lever or key retracts latchbolt. Request to exit shows authorized egress. Free egress at all times. In case of power loss, door remains locked and closed. Lock included with card reader, door positioin switch and request to exit.

Hardware Schedule

Project ID: 24-112 - Jackson Co. Airport

Heading #: 11.0

1	SGL	Door: 102	Corridor R107 To Mens RR R102	LH	90 °
1	SGL	Door: 103	Corridor R107 To Womens RR R103	LH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

6 EA	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	(HI-3) McKinney
2 EA	Door Pull	RM3300-13 Mtg-Type 1	US32D	(PP-2) Rockwood
2 EA	Push Plate	70C-RKW	US26D	(PP-3) Rockwood
2 EA	Surface Closer	8501	689	(CL-1) Norton
2 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
2 EA	Mop Plate	K1050 4" x 35" CSK	US32D	(KP-3) Rockwood
2 EA	Wall Stop	403	US26D	(ST-1) Rockwood
2 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
6 EA	Silencer	608-RKW		(SI-1) Rockwood

Heading #: 12.0

1	PRA/PRI	Door: 100A	Exterior From Lobby R100	RHRA/LHR	90 °
1	PRA/PRI	Door: 100B	Exterior From Lobby R100	RHRA/LHR	90 °

2-2' 11" x 7' 0" x 1 3/4" ALD/ALF

4 EA	Continuous Hinge	CFM83SLF PT		(HC-3) Pemko
4 EA	Electric Power Transfer	EL-CEPT	630	(PT-1) Securitron
2 EA	Mullion	L980S 86"	PC	(MU-1) Sargent
2 EA	Rim Exit Device Exit Only	TB 55 8810 EO	US32D	(ED-2) Sargent
2 EA	Rim Exit Device	LC TB 56 8804 ETL	US32D	(ED-1) Sargent
4 EA	Mortise Cylinder	2196	626	(CY-3) Yale
4 EA	Rim Cylinder	1193	626	(CY-4) Yale
4 EA	Pull	RM201 Mtg-Type 1XHD	US32D	(PP-1) Rockwood
4 EA	Surface Closer	CPS8501	689	(CL-2) Norton
2 EA	Threshold	252A x 72" MS25SS		(TH-2) Pemko
2 EA	Gasketing	5110BL 120"		(GA-3) Pemko
2 EA	Rain Guard	346C 76 x 0"		(GA-4) Pemko
4 EA	Sweep	3452CNB x 36"		(SW-1) Pemko
4 EA	ElectroLynx Harness	QC-C012		(EA-2) McKinney
4 EA	ElectroLynx Harness	QC-C1500P		(EA-3) McKinney
4 EA	Position Switch	DPS-M-BK		(EC-1) Securitron
2 EA	Power Supply	AQL4-R8E1		(PS-2) Securitron

Elevation and Point to Point as Specified. Electronic Operation: Valid card or code unlocks outside lever or key retracts latchbolt. Request to exit shows authorized egress. Free egress at all times. In case of power loss, door remains locked and closed. Lock included with card reader, door positioin switch and request to exit.

Door & Frame Schedule

Distributed By:

Engineered Openings, Inc.
192 Anderson Circle
Alto, GA 30510
Phone: (706) -77-7356
Fax: (706) -77-7535

Masonry Cased
Masonry Single
Masonry

FRAME PROFILES

Drywall
Drywall Single
Drywall Cased

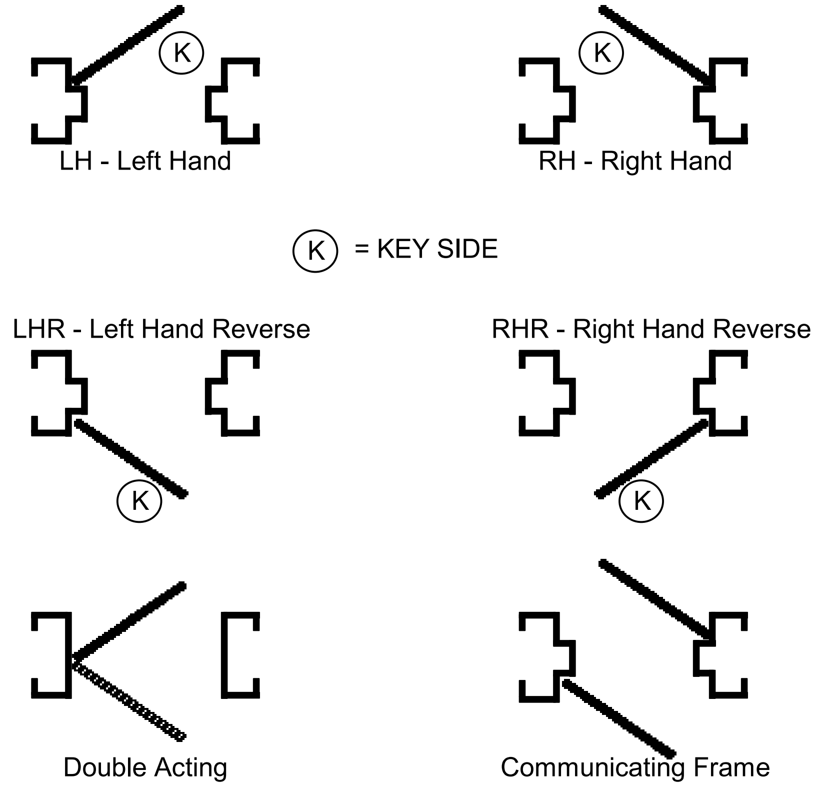
RECORD OF SUBMITTALS

SUBMITTED	RETURNED
1ST	
2ND	
3RD	
4TH	

RECEIVED APPROVED DRAWINGS	
RECEIVED APPROVED HARDWARE	

DRAWN BY: Jenny Aguilera

DOOR HANDING CHART


K
LH - Left Hand
K
RH - Right Hand
K = KEY SIDE
LHR - Left Hand Reverse
RHR - Right Hand Reverse
K
K
Double Acting
Communicating Frame

ARCHITECT JOB NO.
24-112

PROJECT
Jackson Co. Airport

LOCATION

ARCHITECT
Goodwyn Mills Cawood, LLC

CONTRACTOR
Sunbelt Builders

FINISH HARDWARE BY

SHEET NO. 1 OF 10

11/1/2024 2:48:07 PM

LEGEND

Hollow Metal Frame

Anchor

M	Masonry T (Loose)
MP	Multipurpose min 4-3/4" J.D. (Loose)

Construction

FW	Full Welded die miter corner

Elevation Type

3F	Three sided frame

Gauge

16	16 Gauge

Head Face

2"	2" Face Head

Jamb Face

2"	2" Face Jambs

Profile

M-EQ	Masonry - Equal rabbet
CK	Drywall-cased opening
CM-EQ	Drywall anchored frame - Equal rabbet

Steel Type

A60	A60 Galvannealed
CR	Cold Rolled

Hollow Metal Door

Edge

N	Seamless edge

Face Type

F	Flush
FG2	Full Glass 2-Metal Visions

Gauge

16	16 Gauge

Series

707	Polystyrene core

Steel Type

A60	A60 Galvanneal
CR	Cold rolled

Vision Kit

T2118	Type 2 window molding - 1-1/8" pocket for FG2

Wood Door

Bevel

3/3	Bevel BOTH Stile Edges

Core

5502	Particleboard Core

Face Type

F	Flush Door
HG	Half Glass Vision Lite

Finish

TBD	To be Determined

Moulding

VT1	Non-rated flush wood lite moulding

Series

VT	VT 5 PLY BONDED DOORS

Species

BCR	Oak - Red, Plain Sliced, Center Balance Match

Stile

MATCHING	MATCHING STILES

Opening Detail Short

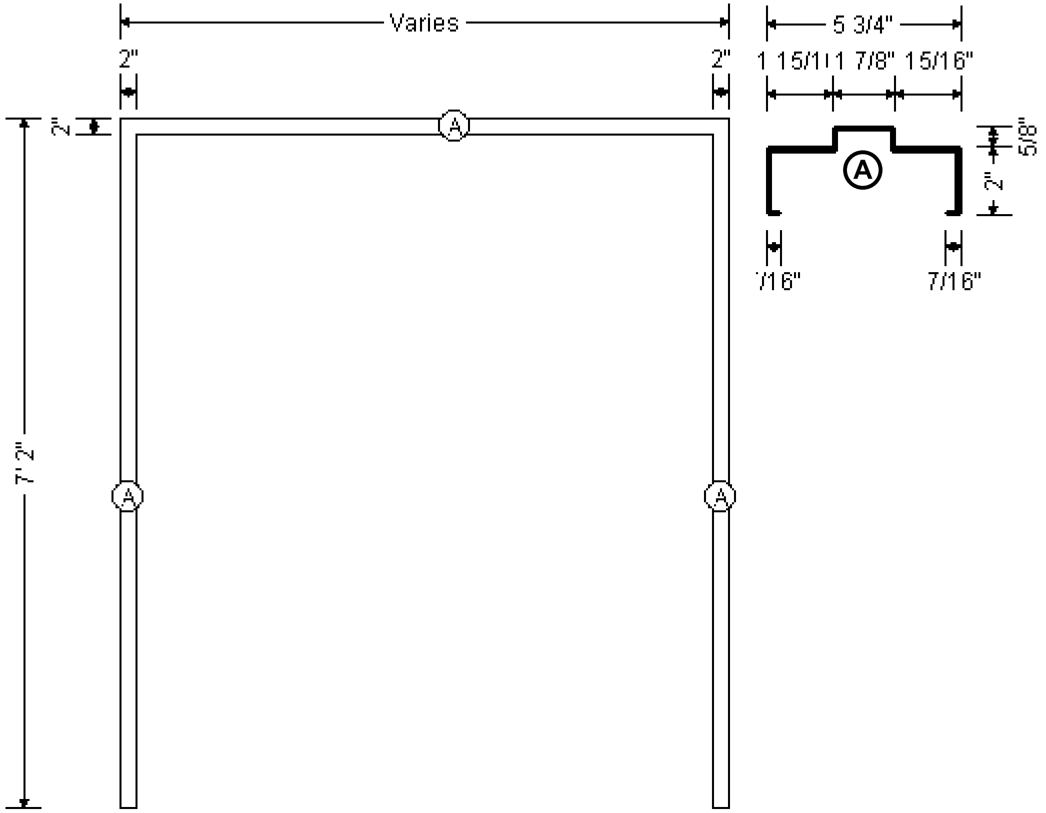
Project ID: 24-112 Jackson Co. Airport
Job Number: 24-112

Openings						Frames												Doors													Special Instructions	
Door #	Size	Location	Label	Hand	Thickness	Material	Qty	Jamb Depth	Profile	Jamb	Head Face	Ga \ Trim	S.T.	Anchor	Elevation	Elev. Sheet	Anchor Sheet	Material	Qty	Series	Edge	S.T. \ Specie Finish	Ga \ Face Type	Core		Elevation	Elev. Sheet	Exterior	Undercut	Astragal		Hdw Set #
100A	5' 10" x 7' 0"	Exterior From Lobby R100		RHRA/LHR	1 3/4"	ALF	1											ALD	1									X				12.0
																		ALD	1									X				
100B	5' 10" x 7' 0"	Exterior From Lobby R100		RHRA/LHR	1 3/4"	ALF	1											ALD	1									X				12.0
																		ALD	1									X				
100C	3' 0" x 7' 0"	Lobby R100 To Corridor R119		LH	1 3/4"	HMF	1	8 1/4"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					10.0
102	3' 0" x 7' 0"	Corridor R107 To Mens RR R102		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					11.0
103	3' 0" x 7' 0"	Corridor R107 To Womens RR R103		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					11.0
104	3' 0" x 7' 0"	Corridor R107 From Janitor R104		RHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					6.0
105	3' 0" x 7' 0"	Cased Opening		NH	1 3/4"	HMF	1	5 7/8"	CK	2"	2"	16	CR	MP	F5	F5		None	1													
106A	3' 0" x 7' 0"	Corridor R107 To Collaboration Room R106		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					4.0
106B	6' 0" x 7' 0"	Exterior From Collaboration Room R106		RHRA/LHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	A60	16			FG2	FG2	X				1.0
																F1		HMD	1	707	N	A60	16			FG2	FG2	X				
106C	6' 0" x 7' 0"	Exterior From Collaboration Room R106		RHRA/LHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	A60	16			FG2	FG2	X				1.0
																F1		HMD	1	707	N	A60	16			FG2	FG2	X				
108	3' 0" x 7' 0"	Collaboration Room R106 To Supply R108		RH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					6.0
109	3' 0" x 7' 0"	Exterior From Mechanical R109		RHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	A60	16			F	F	X				2.0
110	3' 0" x 7' 0"	Pilot's Area R111 From Bath R110		LHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					9.0
111	3' 0" x 7' 0"	Corridor R107 To Pilot's Area R111		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					10.0
112A	3' 0" x 7' 0"	Cased Opening		NH	1 3/4"	HMF	1	5 7/8"	CK	2"	2"	16	CR	MP	F5	F5		None	1													
113	3' 0" x 7' 0"	Corridor R107 To Elect Data R113		RH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					6.0

Opening Detail Short

Project ID: 24-112 Jackson Co. Airport
Job Number: 24-112

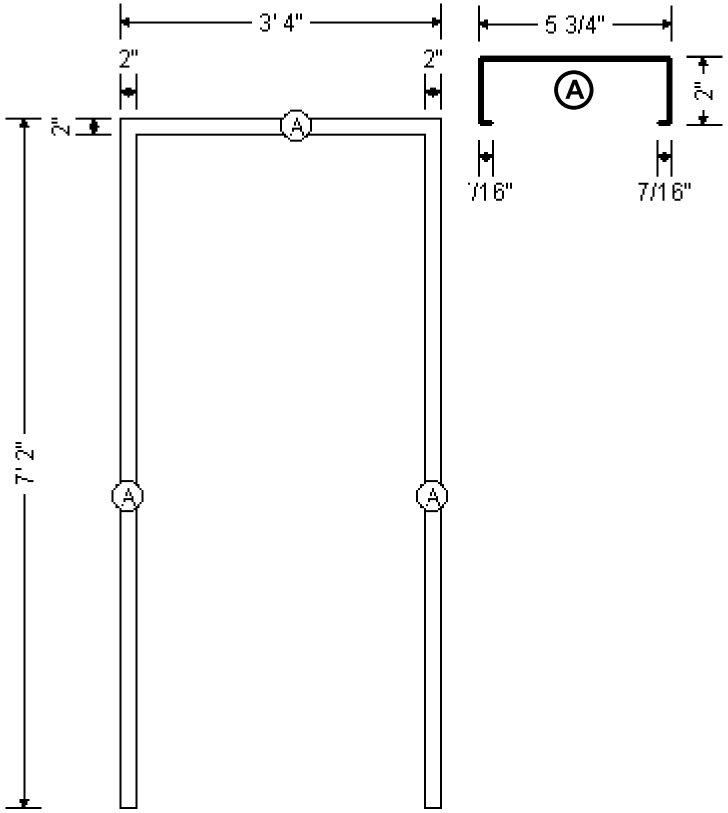
Openings						Frames												Doors													Special Instructions	
Door #	Size	Location	Label	Hand	Thickness	Material	Qty	Jamb Depth	Profile	Jamb	Head Face	Ga \ Trim	S.T.	Anchor	Elevation	Elev. Sheet	Anchor Sheet	Material	Qty	Series	Edge	S.T. \ Specie Finish	Ga \ Face Type	Core		Elevation	Elev. Sheet	Exterior	Undercut	Astragal		Hdw Set #
114	3' 0" x 7' 0"	Corridor R119 To F.B.O R114		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					8.0
115	3' 0" x 7' 0"	Directors Office R116 From Stor. R115		RHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					5.0
116	3' 0" x 7' 0"	Corridor R119 To Directors Office R116		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					7.0
117A	3' 0" x 7' 0"	Corridor R119 To Lineman Office R117		RH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					7.0
117B	3' 0" x 7' 0"	Exterior From Lineman Office R117		LHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	A60	16			F	F	X				2.0
118	3' 0" x 7' 0"	Lineman Office R117 From Stor. R118		LHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					5.0
119	3' 0" x 7' 0"	Exterior From Corridor R119		RHR	1 3/4"	HMF	1	8 3/4"	M-EQ	2"	2"	16	A60	M	F1	F1		HMD	1	707	N	CR	16			F	F					2.0
120	3' 0" x 7' 0"	Office R121 From Stor. R120		RHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					5.0
121	3' 0" x 7' 0"	Corridor R119 To Office R121		LH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					7.0
122	3' 0" x 7' 0"	Corridor R119 To Office R122		RH	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	HG	5502		HG	HG					7.0
123	3' 0" x 7' 0"	Office R122 From Stor. R123		LHR	1 3/4"	HMF	1	5 7/8"	CM-EQ	2"	2"	16	CR	MP	F1	F1		WDD	1	VT		BCR	F	5502		F	F					5.0
124	3' 7/8" x 6' 9 3/4"	Lobby R100 From Visitors Office R124		LHR	1 3/4"	ALF	1											ALD	1													3.0


Varies
2"
2"
2"
7' 2"
A
A
A
5 3/4"
1 15/1
1 7/8"
15/16"
A
5/8"
2"
/16"
7/16"

F1

Doors #s:
100C (3' 0" x 7' 0"),
106B (6' 0" x 7' 0"),
111 (3' 0" x 7' 0"),
117A (3' 0" x 7' 0"),
121 (3' 0" x 7' 0"),
102 (3' 0" x 7' 0"),
106C (6' 0" x 7' 0"),
113 (3' 0" x 7' 0"),
117B (3' 0" x 7' 0"),
122 (3' 0" x 7' 0"),
103 (3' 0" x 7' 0"),
108 (3' 0" x 7' 0"),
114 (3' 0" x 7' 0"),
118 (3' 0" x 7' 0"),
123 (3' 0" x 7' 0"),
104 (3' 0" x 7' 0"),
109 (3' 0" x 7' 0"),
115 (3' 0" x 7' 0"),
119 (3' 0" x 7' 0"),
106A (3' 0" x 7' 0"),
110 (3' 0" x 7' 0"),
116 (3' 0" x 7' 0"),
120 (3' 0" x 7' 0"),

Project: Jackson Co. Airport
11/1/2024 2:48:10 PM

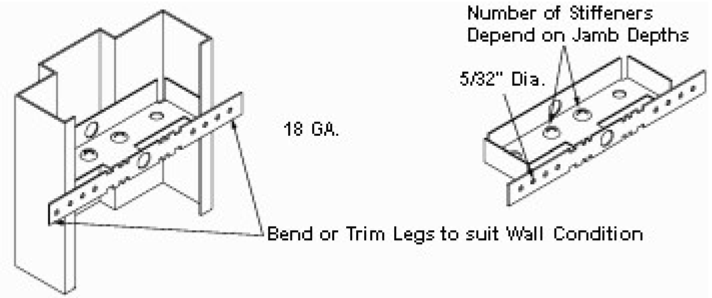

3' 4"
5 3/4"
2"
2"
2"
A
2"
/16"
7/16"
7' 2"
A
A
A

F5

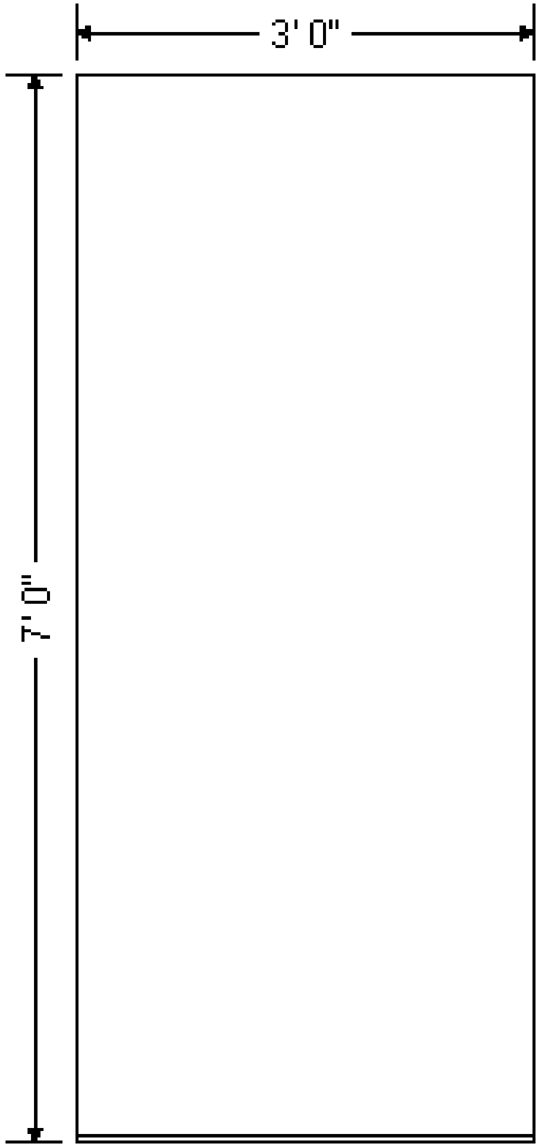
Doors #s:
105 (3' 0" x 7' 0"), 112A (3' 0" x 7' 0"),

Project: Jackson Co. Airport
11/1/2024 2:48:10 PM

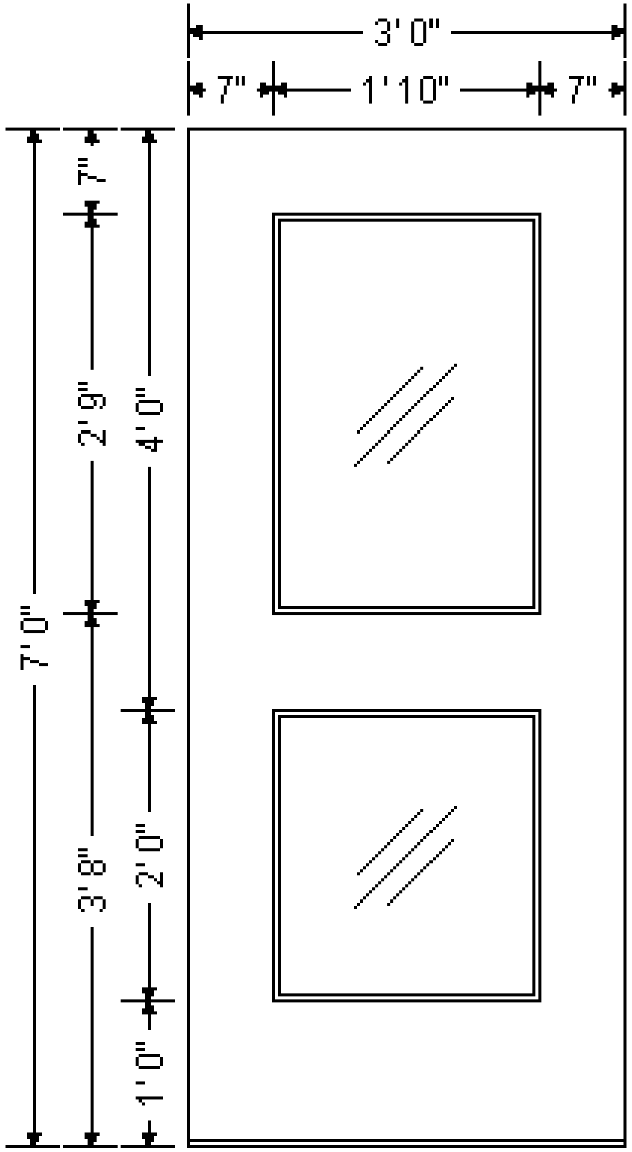
ANCHORS


Number of Stiffeners Depend on Jamb Depths
5/32" Dia.
18 GA.
Bend or Trim Legs to suit Wall Condition

Multi-Purpose

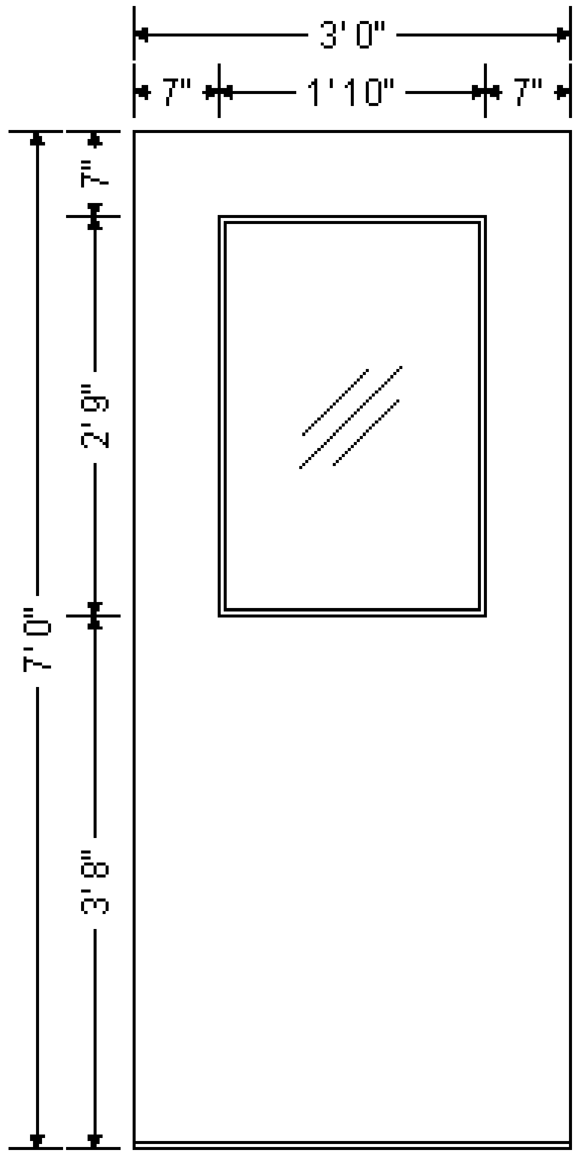


F


3' 0"
7"
1' 10"
7"
7' 0"
7"
2' 9"
3' 8"
4' 0"
2' 0"
1' 0"

FG2

Project: Jackson Co. Airport
11/1/2024 2:48:10 PM
Page 8 of 10


3' 0"
7"
1' 10"
7"
7"
2' 9"
3' 8"
7' 0"

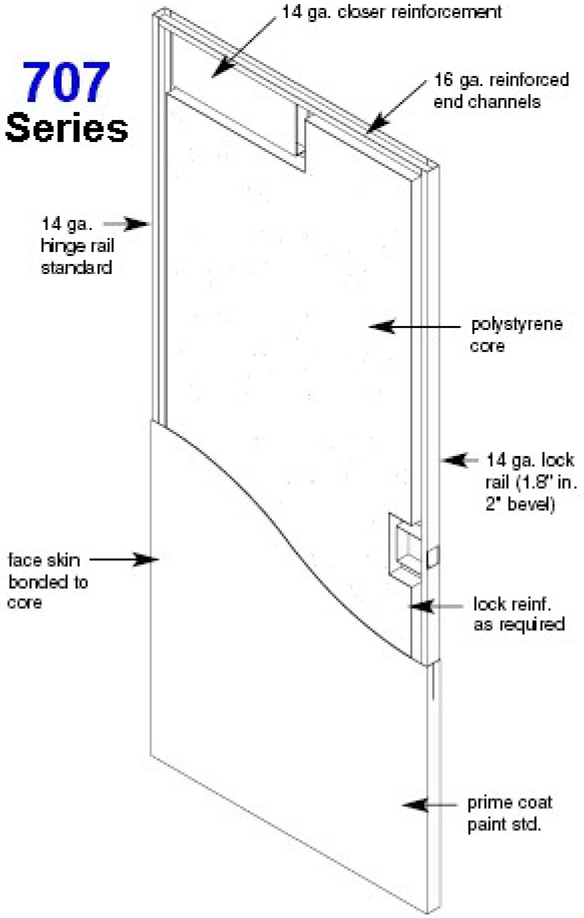
HG

Project: Jackson Co. Airport

11/1/2024 2:48:10 PM

DOOR SERIES

707 Series

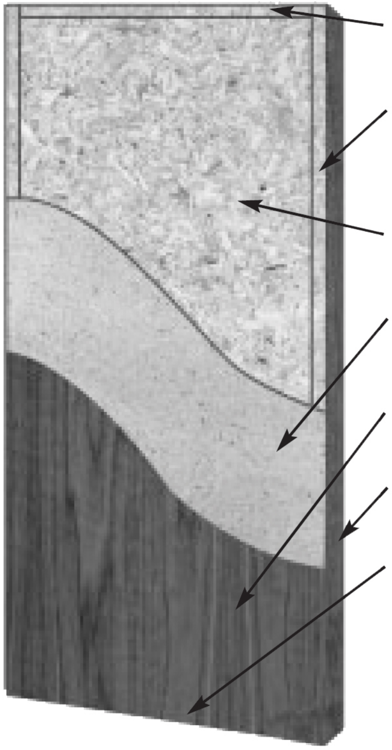

14 ga. closer reinforcement
16 ga. reinforced end channels
14 ga. hinge rail standard
polystyrene core
14 ga. lock rail (1.8" in. 2" bevel)
face skin bonded to core
lock reinf. as required
prime coat paint std.

Polystyrene Core

VT INDUSTRIES Architectural Wood Doors

WOOD VENEER
BONDED PARTICLEBOARD CORE
5-PLY CONSTRUCTION
NON-RATED OR 20-MINUTE

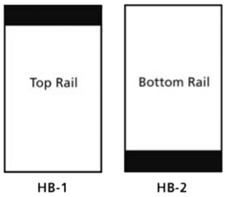
5502
VT Door Type
PC-5
(Interior use only)



- **TOP RAIL:** 1-3/8″ Structural Composite Lumber (SCL)
- **VERTICAL STILES:** 1-3/8″ Structural Composite Lumber (SCL) with matching hardwood edge **Crossbands concealed at edge**
- **CORE:** Particleboard, ANSI A208.1, grade 1-LD-2, 28-32#/cu. ft.
- **CROSSBANDS:** High Density Fiber (HDF)
- **FACES:** "A" grade wood veneer, unless otherwise specified
- **FINISHED THICKNESS:** 1-3/4″ (± 1/16″)
- **BOTTOM RAIL:** 1-3/8″ Structural Composite Lumber (SCL)

All dimensions shown are nominal before sanding, trimming and prefitting within industry standards. Specifications may be changed at manufacturer's option. Prefit and stock sizes available.

Blocking Reinforcement Options: available at additional cost for undercutting and specialized hardware. Blocking recommended for Extra Heavy Duty Doors using surface mounted hardware.



WDMA PREMIUM GRADE EXTRA HEAVY DUTY DOOR

DOOR FEATURES:

Finish Type: Permaguard™ WDMA TR-6 or OP-6 Factory Finish available

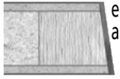
Veneer Match: Book match standard. Slip or random available if specified.

Veneer Face Assembly: Running match standard. Center or balanced available if specified.

Pairs and Sets: Pair match, set match available

Doors/Transoms: Door and transom match

Vertical Edges: (visible surface) Matching hardwood finished at factory (-2) with edge-before-face construction. Optional edges are: unfinished (-1) and stiles primed at factory (-9).



Cutouts: 3-5/16″ minimum distance between lite and lock cutout and 5″ minimum distance from door edge.

Standard Bevel: 1/8″ in 2″

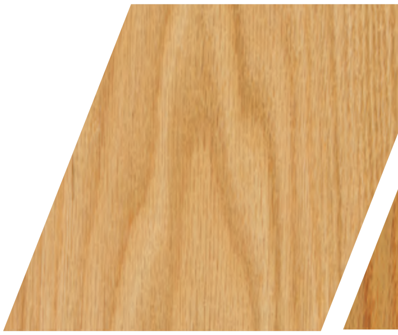
Clearances: 1/8″ top, 1/8″ lock and hinge stiles. See NFPA-80 1-11.4, 1999 edition, for bottom clearances.

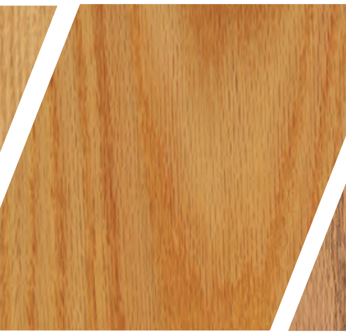
Security Rating: Class 40 (highest rating possible)

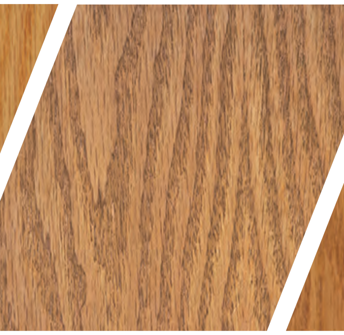
DOOR STANDARDS:

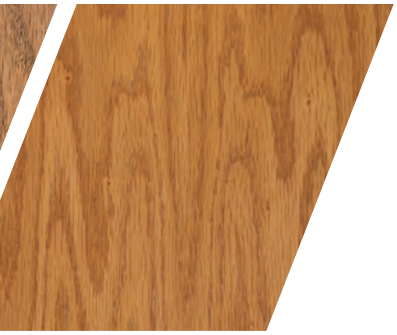
- ANSI/WDMA I.S. 1-A and AWI Section 1300 Quality Standards (Bonded Core).
- Top and bottom rails of door shall be factory sealed.
- Doors shall be clad in WDMA premium "A" grade wood veneer with minimum thickness 1/42" before sanding. Both domestic and exotic hardwood species available for transparent finish. Mill option face material for opaque finish.
- Neutral pressure 20-minute Intertek/Warnock Hersey fire labels shall be available within size and usage limitations. Fire-rated doors must use approved lite frames. Louvers are prohibited in 20-minute fire doors. Neutral pressure must be noted at time of bid.
- Positive pressure fire label is available on 20-minute single doors going into welded or knockdown steel frames. Surface-applied smoke gasketing, such as Pemko S88, must be applied to frame to achieve "S" rating (gasketing to be supplied by others). Listed & labeled steel lite frames must be used for lite openings. Positive pressure must be noted at time of bid.
- Cutouts for vision panels and louvers shall be made at the factory and shall be of sizes and locations as indicated on the drawings. Factory finished wood glazing stops or beige powder coated steel lite frames shall be furnished for lite openings unless otherwise specified. Steel lite frames may be veneer-wrapped at additional cost.
- Hardware preparation: All cutouts for mortise hardware shall be made at the factory from hardware manufacturer's templates and approved shop drawings.
- Doors shall be individually poly-bagged for protection in transit and storage periods, and shall be marked as per tag openings on shop drawings.

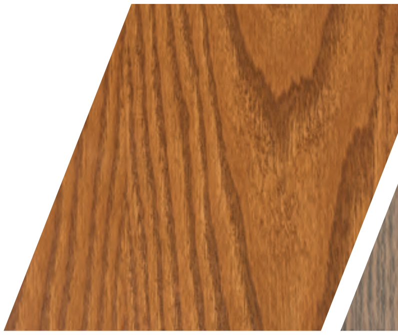
RED OAK

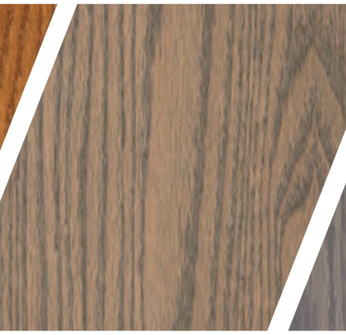

Clear CL18

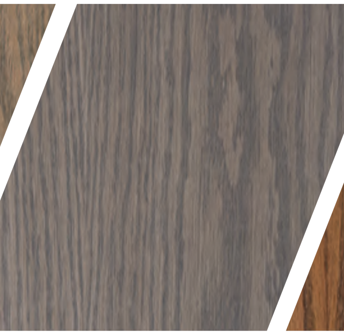

Serengeti SE18

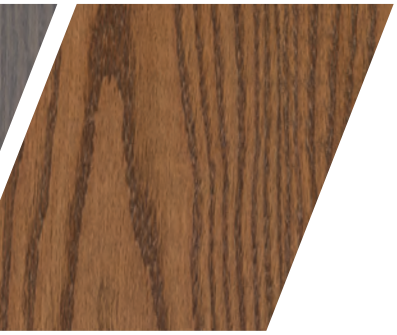

Wheat WH18

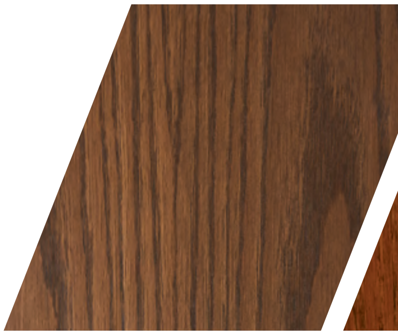

Alpine AL18

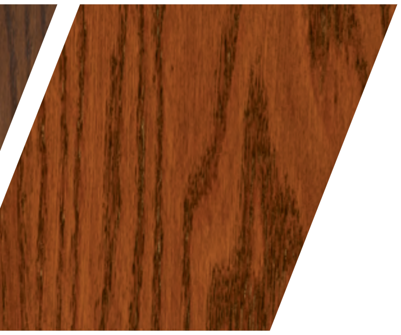

Toffee TF24

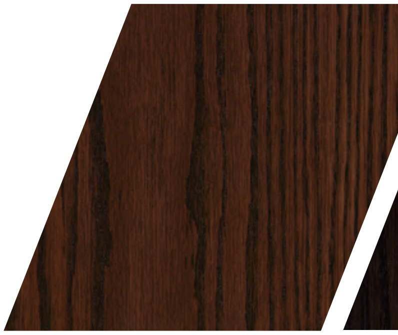

Riverstone RI18

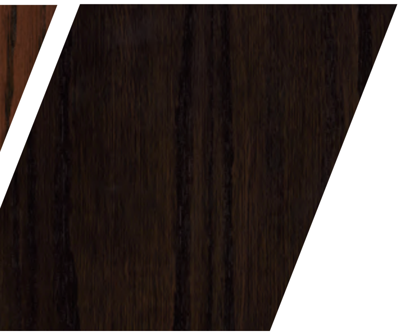

Umber UM24


Ravine RA18


Mocha MA24


Savanna SA18


Chocolate CH18


Onyx ON18

Red Oak Veneer
Ravine Finish

VT INDUSTRIES

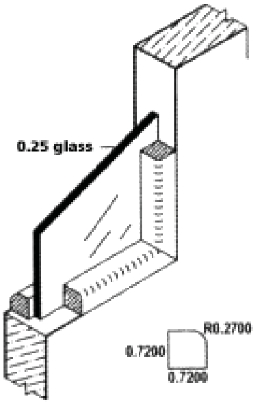
STANDARD LITE MOULDINGS

Heritage Collection Only

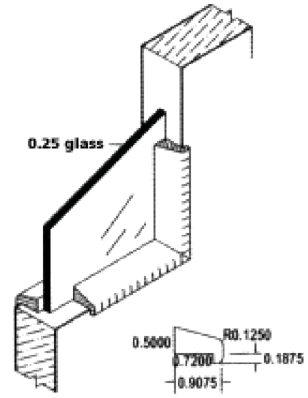
Non-Rated Doors

Flush wood lite mouldings (also known as stops, or beads) have one side fixed into place with brads at the factory. The other side is temporarily tacked into place so glass and glazing can be installed at the jobsite. Field fitting of glass and glazing is the responsibility of the installer. Use of a glazing compound or caulking is recommended to reduce glass rattle. All VT profiles have a tolerance of ± 0.005. Factory installed glazing is available upon customer request.

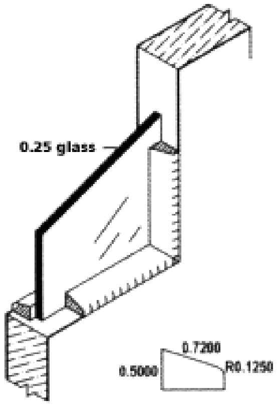
Standard wood stop materials are as follows: Doors with laminate faces will use poplar stops. Doors with wood veneer faces will have stops that match the face veneer.


0.25 glass
R0.2700
0.7200
0.7200

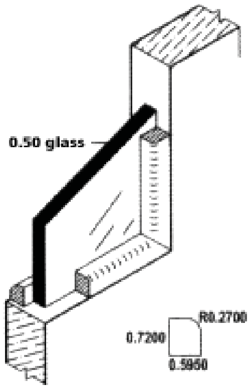
VT1


0.25 glass
0.5000
R0.1250
0.7200
0.1875
0.9075

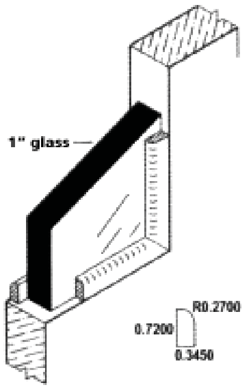
VT3


0.25 glass
0.7200
0.5000
R0.1250

VT7


0.50 glass
R0.2700
0.7200
0.5950

VT9


1" glass
R0.2700
0.7200
0.3450

VT15

Notes:

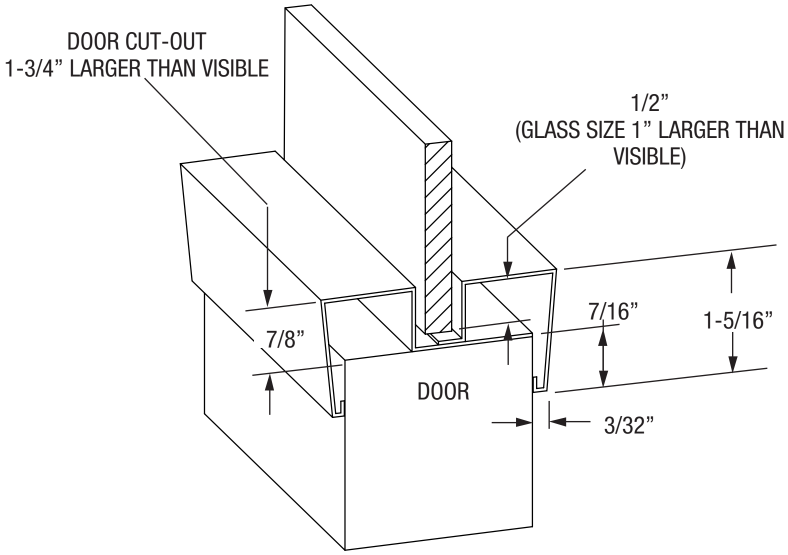
- For acoustical lite kits, refer to Acoustical Doors information in your Order Process Guide.
- Refer to Product Update #P104F for more details.
- VT wood stops available for glass thicknesses other than noted above, please specify glass thickness on quote request or order. Contact your Customer Service Representative for questions or additional information.

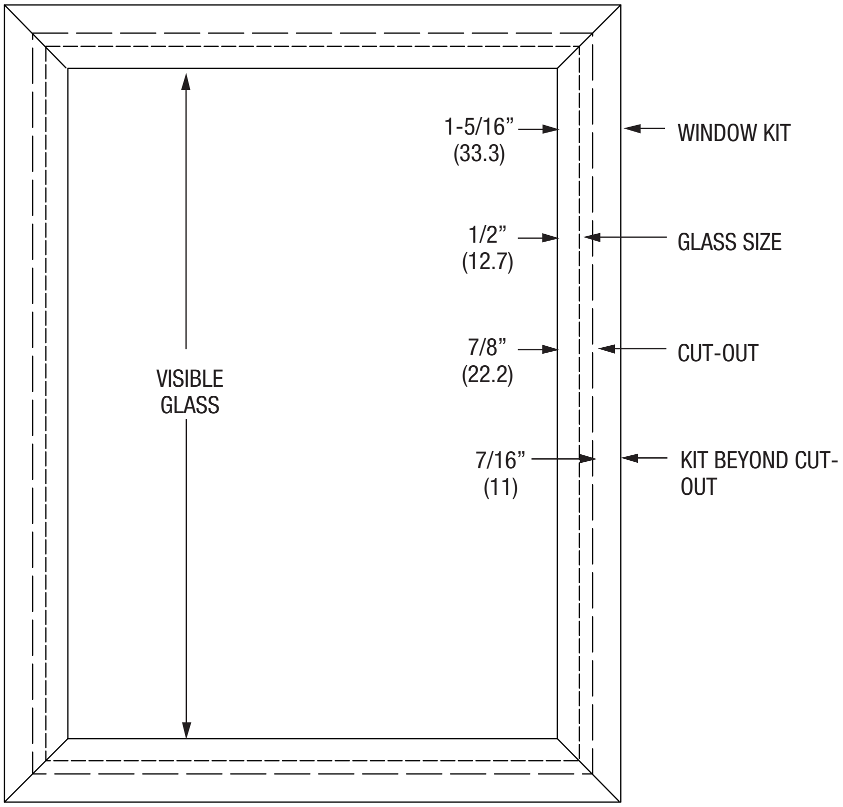
Rev. 12/12

May, 2010

Type 1 & 2 Window Moulding

Ⓛ


DOOR CUT-OUT
1-3/4” LARGER THAN VISIBLE
1/2”
(GLASS SIZE 1” LARGER THAN
VISIBLE)
7/16”
1-5/16”
7/8”
DOOR
3/32”


1-5/16”
(33.3)
WINDOW KIT
1/2”
(12.7)
GLASS SIZE
7/8”
(22.2)
CUT-OUT
VISIBLE
GLASS
7/16”
(11)
KIT BEYOND CUT-
OUT

SUNBELT
BUILDERS

Sunbelt Builders, Inc.
10641 Highway 36
Covington, GA 30014
Phone: (770) 786-3031
Fax: (770) 786-3046

Submittal

TO: Jackson Co. Airport Terminal
500 Sky Harbor Way
Jefferson, GA 30549

Date:	11/21/2024
Project #	24-10
Due Date:	12/01/24
ATTN:	Kim Ross
RE:	Door Hardware Schedule

Copies	Spec No.	Description
1	08 11 00	Door Hardware Schedule

Notes:

Contractor's Stamp

SUNBELT BUILDERS, INC.

DATE: November 21, 2024

☑ APPROVED
☐ APPROVED AS NOTED
☐ RESUBMIT
☐ OTHER

SIGNATURE: Steve Stillwell

Architect's Stamp

GMC
SUBMITTAL REVIEW

Submittal No. 081000-1
GMC Job No. AATL230012

Review is subject to compliance with Bid and Contract Documents. No responsibility is assumed for Correctness of Dimensions, Details or Quantities.

☐ No Exceptions Taken
☐ Amend and Resubmit
☐ Rejected - See Remarks
☑ Note Markings
☑ Make Corrections Noted
☐ Submit Specified Item
☐ For Record Only
☐ No Action Taken

Date: 1/17/25
By: K.PATTON

Owner's Stamp

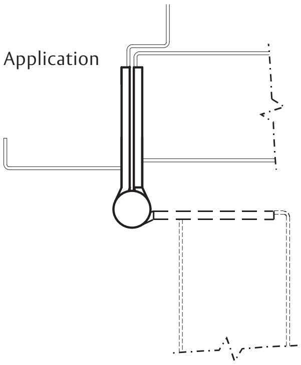
Five Knuckle Standard Weight Series

Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 28

TA2314
TA2714

No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD



Specifications

Inches	mm	Gauge	No. of Holes	Fasteners Machine	Wood
3½" x 3½"*	88.9 x 88.9	.123	6	½ x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	½ x 12-24	1¼ x 12
4½" x 4"	114.3 x 101.6	.134	8	½ x 12-24	1¼ x 12
4½" x 4½"	114.3 x 114.3	.134	8	½ x 12-24	1¼ x 12
5" x 4½"*	127 x 114.3	.146	8	½ x 12-24	1¼ x 12
5" x 5"*	127 x 127	.146	8	½ x 12-24	1¼ x 12
6" x 6"*	152.4 x 152.4	.160	10	½ x ¼-20	1½ x 14

* Not available in Brass base material.

Options:

Code	Description
NRP	Non-Removable Pin
TB	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – ¼" radius furnished unless specified otherwise
HT	Hospital Tip
BT	Ball Tip
FT	Flat Tip*

Code	Description
GT	Grooved Tip*
LT	Lined Tip*
RT	Round Tip*
ST	Steeple Tip
SSF	Safety Stud Feature
CC	Concealed Circuit – 4, 8, or 12 wire available

Code	Description
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring
QC	ElectroLynx® Hinge – 4, 8 or 12 wire available

*Not available on 3-1/2" and 6" sizes

McKinney Hinge Pin Door Stop

- Recommended for high-use or high impact doors with McKinney T2714 or TA2714 hinges
- Protects against damage to doors and walls
- Runs the full length of the hinge

Part number	Description	Finish
76305	Hinge Pin Stop for MacPro MP79 & MPB79	26D
76306	Hinge Pin Stop for McKinney T2714 & TA2714	26D

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Five Knuckle Heavy Weight Full Mortise Series

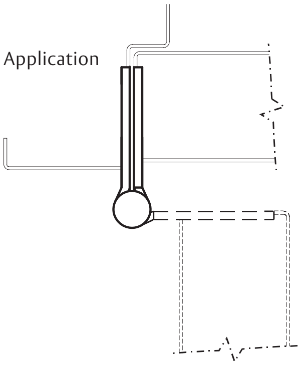
Recommended for use on high frequency and/or heavy wood or metal doors in schools, hospitals or other public buildings where heavy traffic is experienced.

- Heavy weight hinges should be used on all extra heavy doors or those exposed to high frequency use
- T4A3386- Stainless steel base or available in brass base material polished
- T4A3786- Steel base material
- For Beveled Edge, where doors are beveled on hinge side, specify T4A4386 or T4A4786
- For available finishes see page 28

Note: 8" x 6" and 8" x 8" have six bearings. Specify T6B3386 or T6B3786.

T4A3386

T4A3786



No.	ANSI Cross Reference	Base Material	Weight
T4A3386	A5111	Stainless	HVY
T4A3386	A2111	Brass	HVY
T4A3786	A8111	Steel	HVY

Specifications

				Fasteners	
Inches	mm	Gauge	No. of Holes	Machine	Wood
$4^1/_2$" x 4"	114.3 x 101.6	.180	8	$^1/_2$ x 12-24	$1^1/_4$ x 12
$4^1/_2$" x $4^1/_2$"	114.3 x 114.3	.180	8	$^1/_2$ x 12-24	$1^1/_4$ x 12
5" x $4^1/_2$"	127 x 114.3	.190	8	$^1/_2$ x 12-24	$1^1/_4$ x 12
5" x 5"*	127 x 127	.190	8	$^1/_2$ x 12-24	$1^1/_4$ x 12
6" x 5"*	152.4 x 127	.203	10	$^1/_2$ x $^1/_4$-20	$1^1/_2$ x 14
6" x 6"*	152.4 x 152.4	.203	10	$^1/_2$ x $^1/_4$-20	$1^1/_2$ x 14
8" x 6"**	203.2 x 125.4	.203	16	$^1/_2$ x $^1/_4$-20	$1^1/_2$x 14
8" x 8"***	203.2 x 203.2	.203	16	$^1/_2$ x $^1/_4$-20	$1^1/_2$ x 14

* Not available in brass base material.
** Available in steel only.
***Available in stainless steel only.
****FT tips not offered on 6" and 8" sizes, BT and ST not offered on 8" sizes.

Options:

Code	Description
NRP	Non-Removable Pin
T4B	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – $^1/_4$" radius furnished unless specified otherwise
HT	Hospital Tip
BT****	Ball Tip
FT ****	Flat Tip
ST****	Steeple Tip
SSF	Safety Stud Feature
RB	Raised Barrel*
QC	ElectroLynx® Hinge – 4, 8 or 12 wire available
CC	Concealed Circuit – 4, 8 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

* Refer to page SP-3 for Raised Barrel.

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ElectroLynx® Hinge (QC option)

Each hinge features concealed plug connectors that eliminate the need for separate or exposed wiring. Standard connectors make installation quick and simple. Brass eyelets add protection and durability.

- The QC option is available on standard and heavy weight full mortise bearing hinges as well as swing clear and wide throw hinges
- Electric hinges allow a constant flow of current from the power source through the hinge to electrified door hardware. No external wires can be seen, eliminating tampering and improving the aesthetics of the door opening
- Materials: brass, stainless steel, and steel
- For 4 amp continuous @ 24 volts AC or DC per circuit, 28 gauge multi-strand wires are used.
- An 8 position connector is used for QC4 and QC8 wire hinges. An 8 position and a 4 position connector is used for QC12 wire hinges.
- Hand of hinge must be specified on two knuckle hinges
- Can be used in conjunction with MM option on most full mortise hinges. QC12 x MM not recommended for wood or solid core doors
- Full Mortise QC hinges are available in most BHMA and McKinney powder coat finishes
- Wires are coordinated to work with other ASSA ABLOY Group brands electro-mechanical hardware

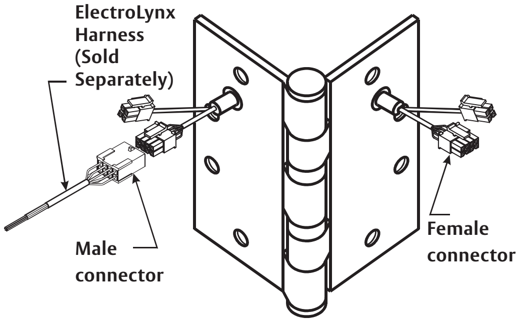
*Electric hinges should be installed in the center position on the door. Installation instructions are packed with each hinge.

*Hinges are factory tested and specially packaged to minimize against damage during shipment.

QC-12

c UL us LISTED

Application



Back of 12 wire hinge shown

3-Knuckle	5-Knuckle
TA314	TA2314
TA714	TA2714
TA386	T4A3386
TA786	T4A3786
	TA2895
	T4A3395
	T4A3795

Most hinges including this Swing Clear Hinge can be electrically modified. Call 1-800-346-7707 for more information.

Options:

Code	Description
QC4	2 circuits
QC8	4 circuits
QC12	6 circuits

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What is PemkoHinge®?

PemkoHinge® consists of two full-height, paired and geared leaves. Each geared leaf rotates evenly from top to bottom riding on proprietary polymer blended bearings. The geared leaves and bearings are held together by a full-length channel cap. This assembly retains the smooth, clean lines of the door and frame, while easily supporting heavy vertical loads.

PemkoHinge®

SECURITY, SAFETY, PRIVACY, LOW WEAR AND TEAR

PemkoHinge® Attributes:

- With a continuous hinge, typical alignment problems (such as door sag and binding) are eliminated
- The continuous hinge distributes load stress uniformly along the full length of the door and frame
- The gear design of the continuous hinge ensures symmetrical operation of each leaf
- $^1/_2$ lb. or less operating force required to operate most doors, regardless of size
- Low operating force feature makes continuous hinges ideal for doors used by the physically challenged
- The continuous hinge, when installed on standard steel doors and frames, requires no additional reinforcement. However, hinge preps must have fillers installed for proper operation
- A high degree of security can be achieved for exterior openings or restricted spaces by using a continuous hinge. With the geared construction and the full-length channel cap, the common gap between the door and frame is sealed, which provides security against prying
- In addition, the continuous full-height hinge cap protects against pinching fingers in doors in public areas, particularly those where children are present
- Sight proof design of the continuous hinge provides privacy for lavatories, executive offices, or file rooms

PemkoHinge® Superior Design:

- PemkoHinge® has increased critical stress points of the hinge leaf extrusions providing additional strengths and rigidity to the completed product
- PemkoHinge® bearing design eliminates premature wear, guarantees proper alignment, and requires fewer bearings to carry more weight. The bearing is produced for Pemko using a chemical composition and injection process that provides a stronger, more accurately formed bearing
- PemkoHinge® is designed with inter-meshing gear segments in the hinge which provide 50% more bearing surface resulting in less wear
- PemkoHinge® goes through the anodizing process after completing all machining. This means the machined aluminum surfaces that are in direct contact with the bearing have a smoother, harder surface, thereby reducing wear
- PemkoHinge® maintains uniform bearing spacing for the full length of the hinge even when lengths exceed 10'
- Pemko uses self drilling No.12-24 x 11/16" Flat Head Undercut, Type C, thread-forming fasteners, no tapping required
- PemkoHinge® commercial models are ideal for use on lead lined doors (i.e. hospital X-ray rooms), without requiring special screw locations

How To Order (Hinge Part Designations)

Example: D| SPFM | 85 | SLI | HD1

FINISHES		HINGE TYPES		LENGTHS	HINGE OPTIONS		CAPACITY	
BL	Black Anodized	FM	Full-Mortise	79	"blank"	Standard	"blank"	Standard Duty
BSP	Black Suede Powder Coat*	FS	Full-Surface	83	CP	Center Pivot	HD1	Heavy Duty, Grade 1
C	Clear Anodized	HS	Half-Surface	85	RG	Raised Gear	HD3	Heavy Duty, Grade 3
D	Dark Bronze Anodized	RS138	Full-Mortise Residential: $1^{3}/_{8}$"	95	SF	Safety		
G	Gold Powder Coat	RS175	Full-Mortise Residential: $1^{3}/_{4}$"	120	SL	Short Leaf (residential only)		
SN	Satin Nickel Powder Coat	SPFM	Special Full-Mortise		SLF	Short Leaf Flush		
WSP	White Suede Powder Coat *	WT_FM	Wide Throw Full-Mortise		SLI	Short Leaf Inset		
10BE	Satin Bronze Powder Coat *	WT_HS	Half-Surface					

Only available on select profiles

Experience a safer
and more open world

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BHMA Certification Program

This program was developed to establish product classifications through performance testing. Three grades (1, 2 and 3) of product classifications were established for continuous hinges, with three weight groups (150, 300 and 600) for each grade: Grade 3 being the lowest and Grade 1 being the highest classification. Each classification and weight group has a set of established cycle requirements and wear characteristics, with a minimum for vertical and lateral wear to establish a listing under a weight and grade classification, after the set number of cycles is completed.

Maximum Vertical Wear Allowable:

Grade 3 = 0.105"

Grade 2 = 0.030"

Grade 1 = 0.020"

Maximum Lateral Wear Allowable:

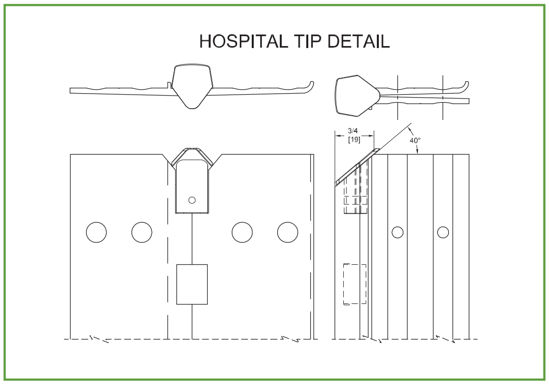
All Grades = 0.062"

Cycle requirements range from Grade 3-600 requiring 100,000 cycles through Grade 1-150 requiring 2.5 million cycles.

For more information on certification testing or other product certification programs, please contact Pemko Customer Service.

Hospital Tip

A special modification is available for certain hinges which provides a Hospital Tip Cap at the top of the gear cap, leaving no opening. A 45° angled cut on the gear cap and leaf covers provides a safe environment for hospitals and correctional facilities.



Cycle Requirements - *Per BHMA Standard ANSI/BHMA A156.26-2012*

- Standard Duty Hinges (excluding _RS175 & _RS138) conform to Grade 3-150 and Grade 3-300
- HD3 Hinges conform to Grade 3-150, Grade 3-300, and Grade 3-600
- HD1 Hinges conform to Grade 2-150, Grade 1-300, and Grade 1-600
- 1100 Series and X-Series Hinges conform to Grade 1-150

Weight Bearing - *Per BHMA Standard ANSI/BHMA A156.26-2012*

- This information pertains to all commercial models
- Heavier weight can be carried; please contact Customer Service for applications other than those listed in the chart
- Special hinge reinforcements are not required as hollow metal door and frame manufacturers' standard are acceptable. Removal of hinge reinforcements in the door and frame is not advised. Hinge preps must have fillers installed

UL Fire Labeled 1$\frac{1}{2}$ & 3 Hour

10C

c UL us **LISTED DOOR HINGE 76Y2**

- All models designated with these symbols are tested and certified by Underwriters Laboratories Inc.® (U.S.A. and Canada) to standards UL10B, UL10C and UBC7.2 (positive pressure) for a 1$\frac{1}{2}$-Hour Fire Listing for all 4'0" x 10'0" and 8'0" x 10'0" door and frame assemblies. Fire listing certifications apply to all approved hollow metal and wood door assemblies in drywall or masonry wall construction
- Special FirePins™ are only required on 3-Hour assemblies. Please refer to page 95 for illustrations and information regarding the application of Pemko FirePins™

- All hinges are supplied with standard fastener kits. Replacement kits/individual fasteners may be purchased separately
- Particle Board/TORX fasteners may be purchased separately. Full-mortise hinges require 40 each; half-surface hinges require 20 each; full-surface hinges require 12 each
- All half-surface and full-surface hinges are supplied with a snap cover for the door leaf. Replacement snap covers may be purchased separately

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FULL MORTISE HINGES

- Full-Mortise units are designed mainly for new door applications and are applied to the frame rabbet and door edge to conceal both leaves

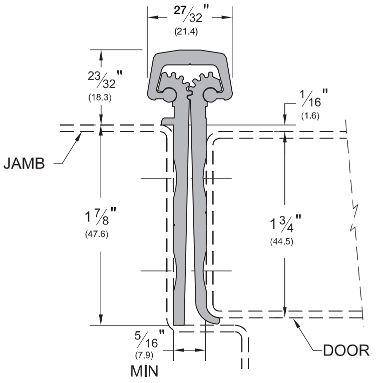
Full Mortise

_FM

STANDARD FINISHES: **BSP, C, D, SN, WSP, 10BE**

10C BHMA CERTIFIED c UL us LISTED DOOR HINGE 76Y2

Evaluated in accordance with TAS201-94, TAS202-94, TAS203-94, ASTM E330, ASTM E1886, ASTM E1996, and ANSI A250.13 (includes PemKonnect version)



Modular Hinge Option

- Hinge is provided in 2 or 3 segments depending on length
- Hinges are packed in a shorter box and are easier to ship, transport, and store than traditional continuous hinges
- Available for select models, see price book for model availability

---

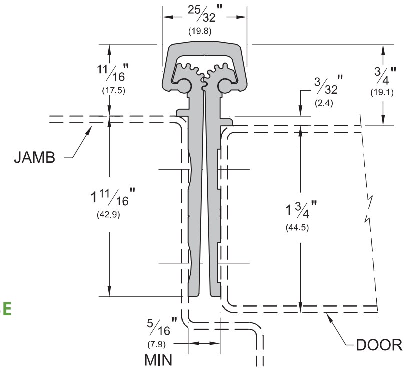
Full Mortise Short Leaf Inset

- Designed for use with doors which range between $1^{3}/_{4}$" to $2^{1}/_{4}$"
- Designed for use with hollow metal doors and frames where the inset conforms to S.D.I. specifications for aligning doors and frames

_FM_SLI

STANDARD FINISHES: **BSP, C, D, SN, WSP, 10BE**

10C BHMA CERTIFIED c UL us LISTED DOOR HINGE 76Y2



Evaluated in accordance with TAS201-94, TAS202-94, TAS203-94, ASTM E330, ASTM E1886, ASTM E1996, and ANSI A250.13

Full Mortise Short Leaf Flush

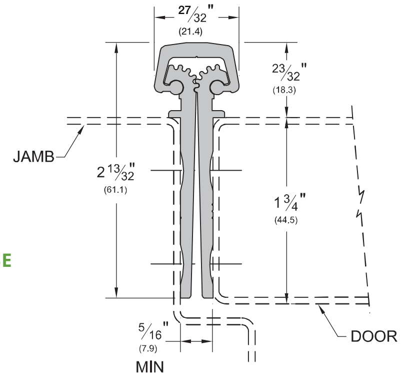
- Designed for use with doors which range between $1^{3}/_{4}$" to $2^{1}/_{4}$"
- Also used for bifold applications to keep the faces of the doors flush (not illustrated)

_FM_SLF

STANDARD FINISHES: **BSP, C, D, SN, WSP, 10BE**

10C BHMA CERTIFIED c UL us LISTED DOOR HINGE 76Y2

Evaluated in accordance with TAS201-94, TAS202-94, TAS203-94, ASTM E330, ASTM E1886, ASTM E1996, and ANSI A250.13 (includes PemKonnect version)



Modular Hinge Option

- Hinge is provided in 2 or 3 segments depending on length
- Hinges are packed in a shorter box and are easier to ship, transport, and store than traditional continuous hinges
- Available for select models, see price book for model availability

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **BSP** (Black Suede Powder Coated Aluminum) **C** (Clear Anodized)
D (Dark Bronze Anodized) **SN** (Satin Nickel Powder Coated Aluminum) **WSP** (White Suede Powder Coated Aluminum)

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PEMKO
ASSA ABLOY
Experience a safer
and more open world

ELECTRICALLY MODIFIED CONTINUOUS GEARED HINGES

Electrical Modifications

- Pemko has vastly improved the cycle performance of the electrically modified hinge. Performance testing has shown that 3,000,000+ cycles can now be achieved using Pemko's exclusive polyurethane-coated 4, 8, or 12 TRI-FLEX titanium copper alloy cables. Each cable is capable of carrying 6 amps continuous or 16 amps in-rush @ 24-volts for 820 milliseconds. When ordering, please use the "shorthand code" shown in the chart page 82. For example, if you require a Clear Anodized standard Full-Mortise hinge at 83" with Quick Connect transfer - 4-wire, modified 36 1/4" from the top, right hand, you would order a CFM83 with QC4 at 36 1/4" from top - RH

Options for Electrically Modified Continuous Geared Hinges

These options allow variable degrees of service to be performed at the specific locations of the current carrying cables by installing a serviceable/removable hinge which includes a removable module (SER), or installing a hinge with a pivoting accessible feature (ACC).

- Both options (SER & ACC) are available in 4 Wire (QC4), 8 Wire (QC8), 12 Wire (QC12) variants
- Available on FM, FS, HS, KFM, SLF, SLI, XF, XI, XK, XM, X25M Models

Serviceable/Removable (SER) Module

The hinge is furnished to be installed in three sections allowing the current carrying cable to be serviced or replaced without removing the door from the frame. Additionally, the SER option allows the current carrying cables to be safely stored or delivered to the electrician or security contractor prior to the installation of the electrified hardware, eliminating the necessity of the electrician or security contractor being present when the doors are being hung.

Product Numbering Example: CFM83HD1xSER4

Accessible (ACC) Feature

The hinge is furnished to be installed in a single section with the leaves modified to pivot at the location of the current carrying cable and allow access to the cables and connected wiring.

Product Numbering Example: CFM83HD1xACC4

Concealed Magnetic Monitoring (CM)

Concealed magnetic monitoring is also available with the SER and ACC options. Magnetic monitor is supplied with monitor and an adjustable magnet.

Product Numbering Example: CFM83HD1xSER4xCM
CFM83HD1xACC4xCM

Customer Information Needed:

- Specify handing and prep location

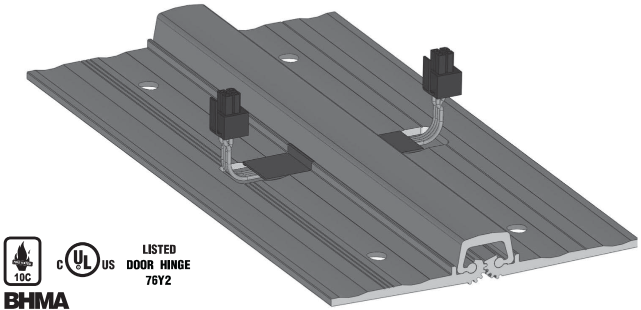
Included:

- HD1, 1100 and X-Series model hinges using Molex connectors with ElectroLynx® are warranted for five (5) years. Standard duty and HD3 hinges are warranted for one (1) year

ElectroLynx®

As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.



LISTED DOOR HINGE 76Y2

Quick Connect Transfer For Full Mortise (FM) Hinges	QC4 4 WIRE
	QC8 8 WIRE
	QC12 12 WIRE

Quick Connect Transfer For Full Surface (FS) & Half Surface (HS) Hinges	QC4_S 4 WIRE
	QC8_S 8 WIRE
	QC12_S 12 WIRE

Additional Electrical Modifications Options Code	
Additional Length of Quick Connect Cable Leads	
Adjustable Concealed Magnetic Monitoring	CM
Power Transfer - Prep Only	PT

Experience a safer and more open world

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Power Transfers

CEPT
Concealed Electrical Power Transfer

Beautifully crafted, compact, secure power transfer

The heavy-duty, tamper-resistant Concealed Electrical Power Transfer (CEPT) securely transfers power and data from the hinge side of the frame to electrified hardware on the door.

The unit is discreetly concealed between the frame and door when the door is closed. Available in three multi-wire configurations and four finishes, the CEPT complements any architectural setting.

Features

Standard Features

- Mortises into the edges of the door and frame
- Direct retrofit for competitor products
- Tamper resistant
- All metal construction including back boxes
- 7/8" [22.25mm] knockouts on back boxes accommodate EMF-type fittings
- Tested to 1 million cycles
- Compatible with butt hinges up to 6" [152.4mm] and continuous hinges with cutout
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- **CEPT-10** includes 8–22 AWG wires plus 2–18 AWG wires for higher current devices
- **CEPT-C5E** includes CAT5E compatible with 8-24 AWG wires, 1–22 AWG wire, conductor, Molex connectors
- **EL-CEPT** is ElectroLynx® compatible with 12-22 AWG wires, ElectroLynx connectors

UL CERTIFIED

LIFE MagnaCare Warranty
Fire Rated
Windstorm Resistant

CEPT Concealed Electrical Power Transfer

Specifications

Certifications

- ANSI/UL 10C Listed, 3 hour rated
- ULC-S318 Listed, 3 hour rated
- ANSI/SDI-BHMA A250.13 (+/- 150 psi) Windstorm Listed
- Florida Building Code Approved

Dimensions

- **CEPT Housing:**
  9-1/16"L x 1-3/16"W x 1-7/16"D
  [230.2mm L x 30.12mm W x 36.52mm D]

Shipping Weight

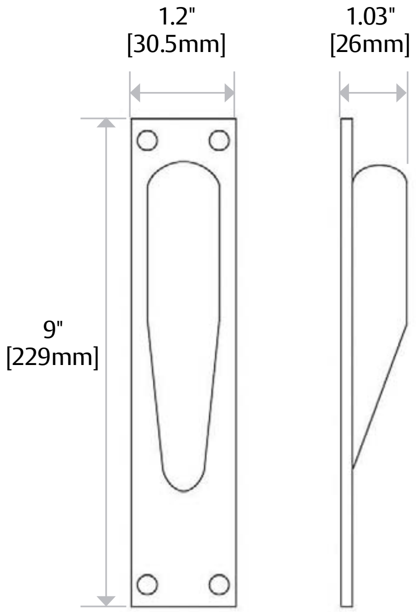
- 2.40 lbs [1.09 kg]

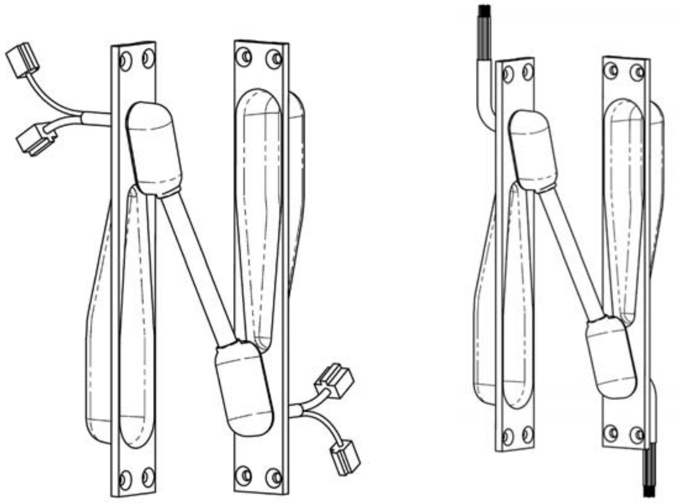
Technical Note

- Not for use with center hung or balanced doors, pocket or offset pivots or swing clear hinges.
- Door swing ranges when installed with butt hinges are:

HINGE SIZE	SWING RANGE
5" [127mm] or less	up to 180˚
5-1/2" [139.7mm]	up to 130˚
6" [152.4mm] Butt Hinge	up to 110˚

Dimensions





How to Order

WIRE CONNECTORS	SHAPE	NUMBER OF WIRES	FINISH
EL	– CEPT	– C5E	– 10B
(blank) No Connectors	**CEPT** Concealed Power Transfers	**(blank)** 12 Wires (EL option only)	**(blank)** 630 Satin Stainless Steel
EL ElectroLynx® Connectors		**10** 10 Wires	**04** 606 Satin Brass
		C5E 9 Wires	**10** 612 Satin Bronze
		NW No Wires	**613E** Dark Oxidized Satin Bronzed
			BSP Black Suede Powder

NOTE: Not every combination is possible. Please contact factory if you need a combination of features not listed above.

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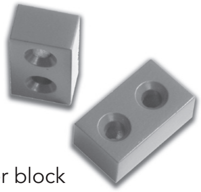
Mullion Accessories, Stabilizers and Door Coordinators

Mullion Accessories

RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion.

651 Mullion Stabilizer Kit



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

980C1 Cylinder Mullion Kit

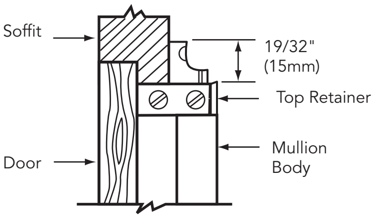
- Lockable mullions only
- Aluminum and steel
- Includes cylinder and collar

980C2 Cylinder Mullion Kit

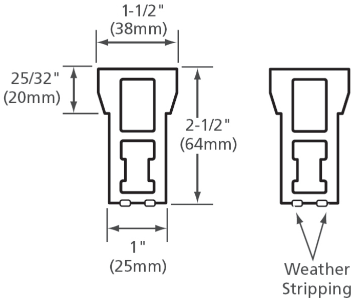
- Lockable mullions
- Electrified only
- Includes cylinder and collar

507 Narrow Transom Bars Adapter

- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide


Soffit
19/32"
(15mm)
Top Retainer
Door
Mullion
Body

650A Mullion


1-1/2"
(38mm)
25/32"
(20mm)
2-1/2"
(64mm)
1"
(25mm)
Weather
Stripping

Mullion Weights & Packaging

Product		Avg Wt
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

Cylinder Nut Wrench

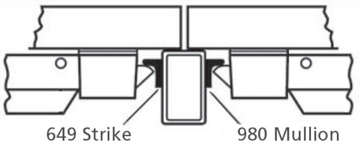
SARGENT
TIGHTEN
LOOSEN

This wrench simplifies the installation and removal of mortise cylinders nuts used on 700 Series Auxiliary Control (80 Series ET Trim).

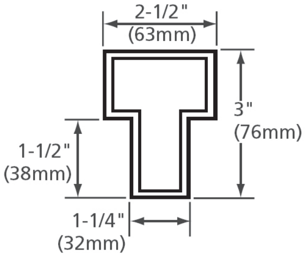
- Part number 97-0568

980S Mullion Application

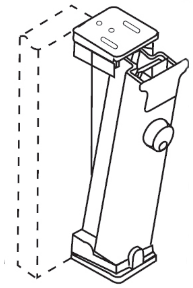
- All steel mullions are 2" x 3"


649 Strike
980 Mullion

980 Mullion & L980 Lockable Mullion


2-1/2"
(63mm)
3"
(76mm)
1-1/2"
(38mm)
1-1/4"
(32mm)

Lockable Mullion



Product Catalog

SARGENT
ASSA ABLOY

7800/8200 Series

Mortise Locks

Experience a safer
and more open world

Certifications*

8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Certification Compliance

ANSI/BHMA BHMA CERTIFIED	Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. **Note:** LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.
ADA ♿	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL-cUL UL	UL and cUL Listed to US and Canadian safety standards for A label 4 x 10 single and 8 x 10 double (3 hour fire door) and lesser class doors, stamped letter F and UL symbol on armored front indicate listing
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face
Tornado and Hurricane Codes Hurricane	See below

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 7800/8200 lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"

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* Any undated reference to a code or standard appearing in this catalog shall be interpreted as referring to the latest edition of that code or standard.

** Published in the 7th Edition (2020), "Florida Building Code" (FBC), State Product Approval Number FL2998

Features

8200/R8200/7800 Series Mortise Locks

The patented SARGENT Mortise Locks are designed and constructed with high quality components to provide maximum security, performance and durability. These locks represent over a century of innovation and experience in manufacturing hardware and are the industry's benchmark for mortise locks: strong, durable, flexible, innovative and secure.

Specifications

- For Doors 1-3⁄4" (44mm) thick standard
- Backset 2-3⁄4" (70mm) only
- Outside Front Plate Brass, bronze or stainless steel. 8" (203mm) x 1-1⁄4" (31mm), ANSI/BHMA Standard A156.115
- Front adjustable at any angle from flat to beveled 1⁄8" (3mm) in 2" (51mm)
- Hubs for Knobs/Levers
  - 7800: sintered iron copper infiltrated
  - 8200: cold forged steel
  - R8200: investment cast steel
- Auxiliary Deadlatch is stainless steel and non-handed
- Specify hand on order; easily field reversible (if no hand is specified RH will be provided)
- Strike: Brass, bronze or stainless steel; ANSI Standard; curved lip, non-handed (strike box optional)
- Keys: Two, nickel silver (control key or emergency key must be ordered when required)
- Cylinder: Brass, size #41 (1-1/8") standard (except for Freewheeling, size #46 (1-3/4"))
- Can be masterkeyed or grand masterkeyed. Construction keying available. LA standard keyway
- Stile: 4-1/2" (114mm) minimum stile for 7800/8200/R8200, 4-3/4" (121mm) minimum stile for electrical function locks
- Door Prep: ANSI/BHMA A156.115 or A156.115W modified per template (see template)
- Warranty: 10 year limited warranty, 2 year limited warranty on electrified locks. Warranty limited to replacement of lockbody and/or components

Hurricane

Maximum Strength & Durability

- Sargent 8200 Series UL Cycle above and beyond test completed at 16 Million Cycles.
  Verification ID: V584148
- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1 with all standard trims
- Exceeds cycle testing requirements by 14 times the ANSI/BHMA A156.13 Grade 1 standard
- Case: 12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")
- 1/8" (.125") cold-rolled steel inside front holds lock securely in door
- Heavy duty wrought steel hubs and high carbon steel spring cartridge provide superior strength and cycle life for 8200 locks
- Latchbolt is stainless steel with 3/4" (19mm) projection one-piece, anti-friction reversible latch
- Deadbolt is one-piece hardened stainless steel with 1" (25mm) projection
- Optional 8200 stainless steel hubs for Institutional setting (specify 3- option)
- Patent pending and/or patent www.assaabloydss.com/patents

Features

8200/R8200/7800 Series Mortise Locks

Maximum Flexibility

- Fast and easy installation. Lock is easily re-handed without removing parts or opening the lock case
- Aesthetic design. Many escutcheon and lever styles available to match a wide range of styles
- Many standard architectural grade finishes, including Polished Nickel (US14) & Satin Nickel (US15) finishes
- 54 functions including 4 electrical functions. The most in the industry for a broad range of applications
- Versatile. Offered for door thicknesses ranging from 1-3/8" (35mm) to 6" (152mm)
- Available with vandalism deterrent trim and/or secure fastener options Torx® and spanner screws for high abuse conditions
- Available with push/pull trim, perfect for hospital applications
- Status indicator options provide peace of mind on the locked/unlocked status of a door

Innovation

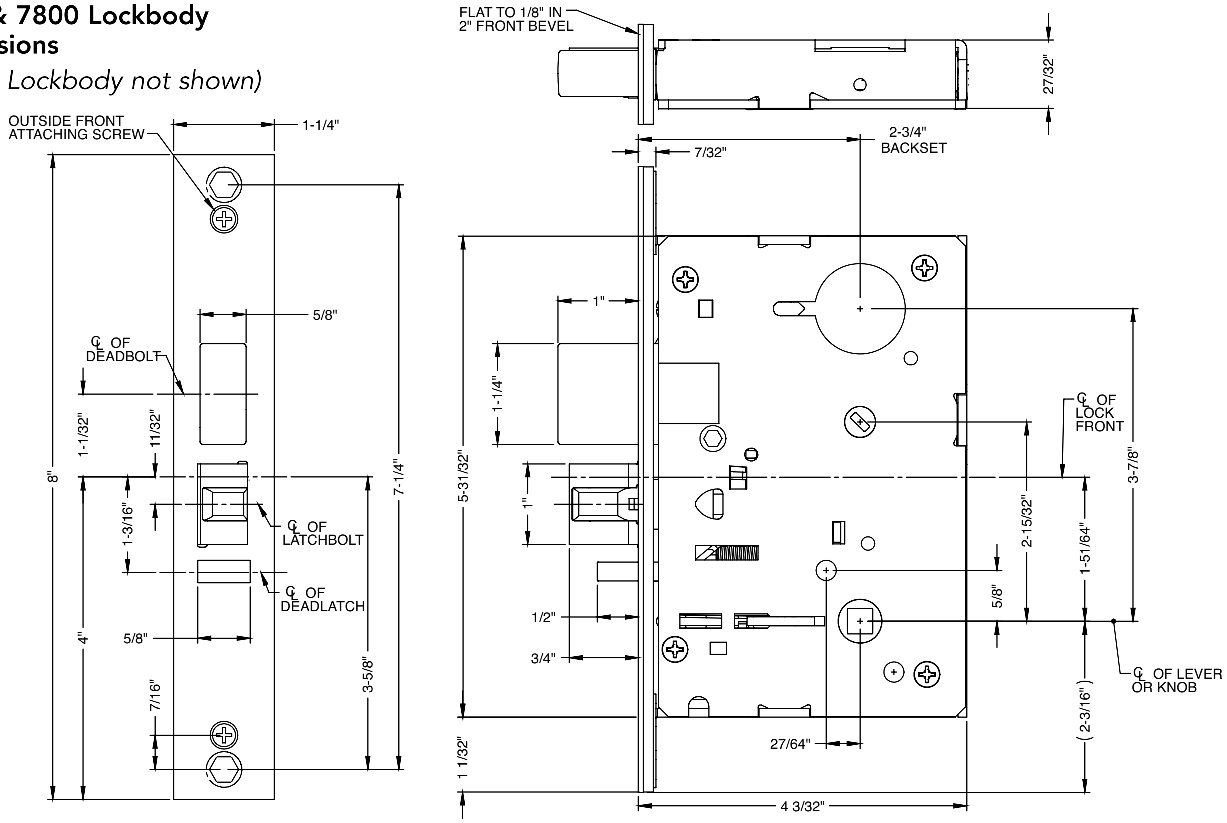
- First in the industry to offer a multi-functional lockbody that embodies 8 functions in 1 lockbody
- Easy operation. Only 30° of lever rotation required to retract latchbolt
- Lever springs contained inside of the lock case for easier installation
- SARGENT's revolutionary MicroShield® available. This antimicrobial silver-based finish coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. EPA and NSF approved and FDA listed
- Broad offering of electro-mechanical configurations offer higher security for the most demanding access/egress control applications featuring ElectroLynx® quick connectors

Security

- Multiple security trim options available: free-wheeling, security escutcheon and anti-vandal pull trim
- Security key systems available (Degree, Signature, Keso, Keso F1, & XC)

8200 & 7800 Lockbody Dimensions

(R8200 Lockbody not shown)


OUTSIDE FRONT ATTACHING SCREW
1-1/4"
5/8"
℄ OF DEADBOLT
1-1/32"
11/32"
8"
1-3/16"
℄ OF LATCHBOLT
℄ OF DEADLATCH
7-1/4"
4"
5/8"
7/16"
3-5/8"
FLAT TO 1/8" IN 2" FRONT BEVEL
27/32"
7/32"
2-3/4" BACKSET
1"
1-1/4"
5-31/32"
1"
1/2"
3/4"
1 11/32"
℄ OF LOCK FRONT
3-7/8"
2-15/32"
1-51/64"
5/8"
(2-3/16")
℄ OF LEVER OR KNOB
27/64"
4 3/32"

Note: R8200 and 8200 lockbodies are dimensionally the same except for the through-bolt locations

Explanation of the 8200/7800 Lockbody types:

Lockbody Type¹	Trim Available x Lockbody type	Standard 8200 Door Prep	Through Bolted Trim	Multi-function lockbody available	How to order lockbody only
8200	Lever x Rose/Escutcheon	Yes	Yes	Yes	82 x Function x Finish³
7800	Knob x Rose/Escutcheon	Yes	Yes	Yes	78 x Function x Finish³
R8200	Simplí™ roseless trim	No	Yes²	Yes	R82 x Function x Finish³
8200 for ALP	ALP Push/Pull Trim	Yes	Yes	Yes	Six Digit Part # determined by function*
7800 PT	PT Push/Pull Trim	Yes	Yes	Yes	Six Digit Part # determined by function*

[1] Lockbodies can only be used with the specified trim

[2] Through Bolt locations are different from standard trim, special door prep required

[3] **Note:** Cylinder and trim not included. Outside front, strike and screw pack are included

* See Price book; **Note:** Outside Fronts, Strikes, Cylinders and Trim are NOT included

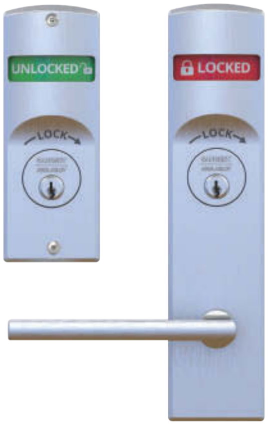
Indicators

7800/8200 Series Mortise Locks

Applications

7800/8200 Series indicators can be used in a variety of applications and are most commonly used to identify occupancy or display the locked/unlocked status of a room.

- Restrooms
- Quiet rooms
- Nursing mother's rooms
- Classroom doors



Features

- Inside, outside or both sides of the door
- Sectional or escutcheon trim
- Available with 35 different functions – including thumbturn functions
- Viewing window 25% larger than competition
- Patented curved design for viewing at multiple angles
- Window located prominently above the cylinder
- Highly reflective viewing window for increased safety
- Optional directional engraving available – must specify handing
- Retrofitable for existing applications

Functions

- Indicators are available with the following 7800 and 8200* Series functions. See pages 19-28 for details.

05
12
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67
68
NAC-PHR-82281
NAC-PHR-82285

* Indicators can retrofit to 8200 series mortise locks manufactured from the year 2002 to present.

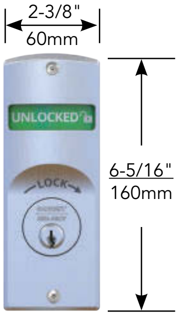
Indicators

7800/8200 Series Mortise Locks

Sectional Trim

- Surface mounted
- Torx security screws provided
- Compatible with select sectional trim rose designs: O, LN, E, TR, CR, CO, TO, E2, E3
- Compatible with all thumbturn designs
- Available with optional directional arrow engraving
- Not compatible with BHW, BHL, or BHD trims

Specify option code when ordered with lock. See page 35 for indicator codes.



Retrofit/Upgrade Kits

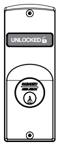
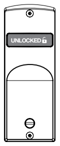
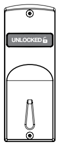
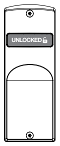
Retrofit/upgrade kits are available for existing applications only. Each kit includes single side indicator plate with mechanism, screw pack, plastic template and instructions.

To order retrofit/upgrade kits only, specify by model number below based upon function and mounting location. Door thickness and indicator option code must also be specified with kit.

Kits are handed and easily field reversible. All units are shipped from the factory with a default handing. Handing must be field verified and adjusted as needed per product installation instructions.

Retrofit/upgrade kits with directional engraving must include lock handing and lock function details.

See page 36 for how to order examples. **Note: Indicators for both sides of door require two kits.**

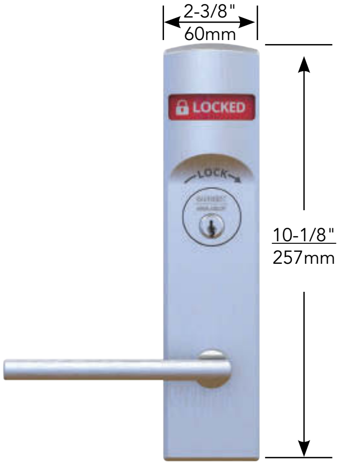
	Model #	Used with Functions	Available Option Codes	Indicator Location*
	SA190	20, 21, 22, 24, 25, 26, 28, 29, 30, 39, 40, 41, 43, 45, 46, 47, 50, 51, 52, PHR-NAC-82281	Outside Trim: V10, V20, V30, V40, V50, V60 Inside Trim: V01, V03, V04, V06	Inside and/or Outside per Function
	SA191	36, 56, 57, 58, 67		
	SA192	05, 37, 38, 42, 59		
	SA193	65, 66, 68	V10, V20, V30, V40, V50, V60	Outside
	SA194	21, 24, 25, 28, 43, 45, 47, 50, 51, 66, 68, PHR-NAC-82281, PHR-NAC-82285	V01, V03, V04, V06	Inside
	SA196	12, 56, 57, 58, 65, 67		
	SA198	05		
	SA197	12, 30, PHR-NAC-82285	Outside Trim: V10, V20, V30, V40, V50, V60 Inside Trim: V01, V03, V04, V06	Inside or Outside per Function

*When indicators are required on both sides of the door, 2 upgrade kits must be ordered, one kit for each side.

Escutcheon Trim

- Unique escutcheon (VN1) for both inside and outside of door for indicator functions
- Non-indicator functions provide with standard escutcheons as ordered, i.e. LE1, LE2, LE3, LE4, LW1, LS or WT
- Through-bolted
- Torx security screws optional
- Compatible with all thumbturn designs
- Available with optional directional arrow engraving
- Not compatible with select knob/lever designs: C, MK, MT, H001, H002, H003, H004, H005, H006, H007, H008, H009, H010, H011

Specify option code when ordered with lock. See page 35 for indicator option codes.



Trim Kits

Complete trim kits are available to retrofit/upgrade existing applications.

Trim kit includes levers and escutcheons with mechanism for both sides of door, screw pack, door marker and instructions.

To order trim kit only, specify by adding option code IS and the indicator option code (see pg. 35 for codes) to the complete order string. The IS option code will be used for all trim kits for the VN1 escutcheon with indicators. Both inside and outside will be supplied.

Option Code	Functions
IS	All functions*

*Escutcheon indicator trim kits available for all functions as listed on page 32

Note: Escutcheon applications require both sides of the door to have the unique VN1 escutcheon. Kits will be provided as a set.

How to Order Example

Option Codes	Function	Esctucheon	Lever	Door Thickness	Hand	Finish
IS-V04-	8256*	VN1	L	1-3/4"	RH	26D

* The function of the existing lock is required so the proper escutcheons can be provided.

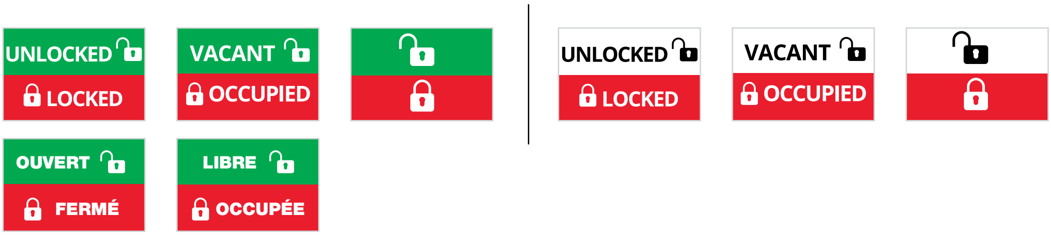
Office & Inner Entry Lock x escutcheon trim x inside indicator - Unlocked/Locked – Red/White x trim only.

Indicators

7800/8200 Series Mortise Locks

Indicator Option Codes

7800/8200 Series indicator option codes are designed to convey wording, color and side of door desired in one simple code. To order, specify option code for complete locksets and/or retrofit/upgrade trim kits.



Single Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V10	Unlocked/Locked	No Indicator	Green/Red
V10F	Ouvert/Fermé	No Indicator	Green/Red
V20	Vacant/Occupied	No Indicator	Green/Red
V20F	Libre/Occupée	No Indicator	Green/Red
V30	Icons Only	No Indicator	Green/Red
V40	Unlocked/Locked	No Indicator	White/Red
V50	Vacant/Occupied	No Indicator	White/Red
V60	Icons Only	No Indicator	White/Red
V01	No Indicator	Unlocked/Locked	Green/Red
V01F	No Indicator	Ouvert/Fermé	Green/Red
V03	No Indicator	Icons Only	Green/Red
V04	No Indicator	Unlocked/Locked	White/Red
V06	No Indicator	Icons Only	White/Red
Double Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V11	Unlocked/Locked	Unlocked/Locked	Green/Red
V11F	Ouvert/Fermé	Ouvert/Fermé	Green/Red
V21	Vacant/Occupied	Unlocked/Locked	Green/Red
V21F	Libre/Occupée	Ouvert/Fermé	Green/Red
V33	Icons Only	Icons Only	Green/Red
V44	Unlocked/Locked	Unlocked/Locked	White/Red
V54	Vacant/Occupied	Unlocked/Locked	White/Red
V66	Icons Only	Icons Only	White/Red
Engraving			
Option Code	**Outside**	**Inside**	**Wording**
EMA	Engraving	No Engraving	"Lock" with arrow
EMB	No Engraving	Engraving	"Lock" with arrow
EMC	Engraving	Engraving	"Lock" with arrow

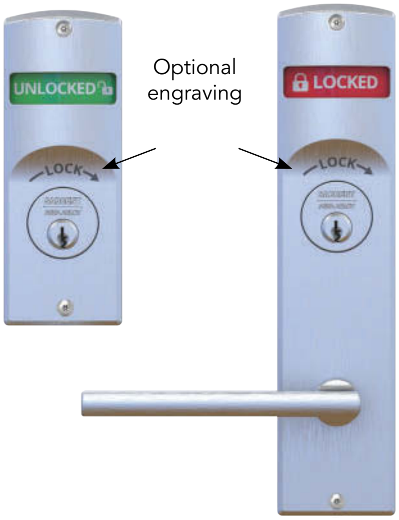
Indicators

7800/8200 Series Mortise Locks

Engraving Options

- Laser engraving with "LOCK" and directional arrow
- Only available in the following finishes: 3, 4, 14, 15, 26, 26D, 32, 32D
- Available with MicroShield®
- Door handing must be specified

Option Code	Description
EMA	Engraving located on outside of door
EMB	Engraving located on inside of door
EMC	Engraving located on inside and outside of door



Note: Engraving is available as an option for all functions when ordered with an indicator. Option codes must be specified with complete lock and/or retrofit (upgrade) kits/trim. EMC is not available with sectional trim upgrade kits.

How to Order Examples

Complete with Lock

Sectional Trim

Option Code	Function	Rose	Lever	Hand	Finish
V04	8238	O	L	RH	26D

Escutcheon Trim

Option Code	Function	Escutcheon	Lever	Hand	Finish
V54 x EMB	8265	VN1	L	RH	26D

Privacy Bedroom/Bath function x escutcheon trim x double indicator - Vacant/Occupied – Red/White (Outside) Unlocked/Locked – Red/White (Inside)

Retrofit (Upgrade)/Trim Kit Only

Sectional Trim*

Option Code	Model #	Door Thickness	Finish
V04	SA190	1-3/4"	26D

Keyed function indicator for sectional trim x single indicator inside – Unlocked/Locked – Red/White

* When indicators are required on both sides of the door, 2 upgrade kits must be ordered, one kit for each side.
All units are shipped from the factory with a default handing. Handing must be field verified and adjusted as needed per product installation instructions.

Escutcheon Trim

Option Codes	Function	Esctucheon	Lever	Door Thickness	Hand	Finish
IS-V04-	8256**	VN1	L	1-3/4"	RH	26D

Office & Inner Entry Lock x escutcheon trim x inside indicator - Unlocked/Locked – Red/White x trim only.
** The function of the existing lock is required so the proper escutcheons can be provided.

Sectional Trim Only Indicators

The following indicators are available with sectional trim only and have different features and options than the indicators found on pages 32-36. To order the following sectional indicators with locksets, specify option codes 49- or 50-.

49- Option Visual Status Indicator for Non Secure Applications

- Designed to work with Classroom security functions
- Red/White indicator plate standard
- Mounts on inside of door
- Functions and Roses available:
  - 30, 36 & 37 Functions with 7800, 8200 and R8200 locks, CR, L, LN, TR, E & O Roses
  - 26, 29, 38, 39, 40 and 41 Functions with 7800, 8200, and R8200 locks & LN Roses Only
- As retrofit, order 185C x finish

Inside Only

185C

49- Option Occupancy Indicator with Emergency Release

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard
- Mounts on outside of door
- Emergency coin operated release standard
- Functions and Roses available:
  - 65, 66, 68 Functions with 7800, 8200, and R8200 locks, CR, E, L, LN, O & TR Roses
- As retrofit, order 185P x finish

185P

50- Option Secured Indicator Rose

- Non-handed with lever and mounting posts field reversible
- VAC/OCC indicator plate standard
- Mounts on outside of door
- Available for the following functions: 24, 25, 26, 28, 29, 30, 36, 37, 38, 39, 40, 41, 43, 45, 50, 51, 52, 57, 58, 67 - with Rose Trim only
- Patent pending and/or patent www.assaabloydss.com/patents
- Not available with Roseless trim (R8200)
- For retrofit, order 185S x suffix x finish:

Suffix	Door Thickness
-1	1-3/8" (35mm)
-2	1-3/4" (44mm)
-3	2" (51mm)
-4	2-1/4" (57mm)

Note: For 49- and 50- Options, key will not retract latch when used with 37 and 38 functions

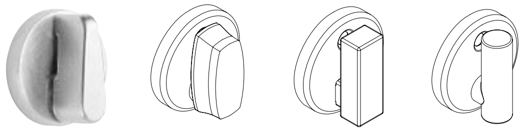
Thumbturn Designs

8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

130KB Round Backplate

(Shown with Standard Turn)

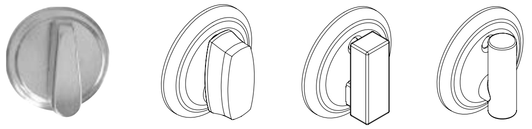


T1 Turn T2 Turn T3 Turn

- Round backplate supplied standard with L, O, LN roses and R8200 roseless trim
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate
- Meets ADA Requirements

130KT Traditional Backplate

(Shown with Standard Turn)

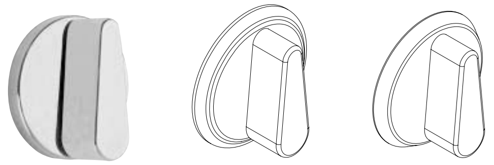


T1 Turn T2 Turn T3 Turn

- Dual radii edge backplate supplied standard with TO and TR roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass plate
- Meets ADA Requirements

130LB Large Round Backplate

(Shown with Large ADA Turn)



130LT 130LC

- Available with R8200 & 8200 with sectional trim
- 40% larger than standard thumbturn
- Specify LB as an option for ADA turn
- 2" (51mm) round brass, zinc, or stainless steel plate & turn
- 130LT - Traditional backplate, 130LC — Contemporary backplate
- Meets ADA Requirements

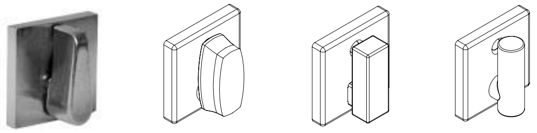
126 T-Turn

(7892 function only)

- 2-3/16" (56mm) round stainless steel backplate
- 2-3/8" (61mm) tall thumbturn
- Available in brass or bronze finishes only
- Surface mounted with three screws
- Order as "SST" trim with 7892 function

130KA Square Backplate

(Shown with Standard Turn)

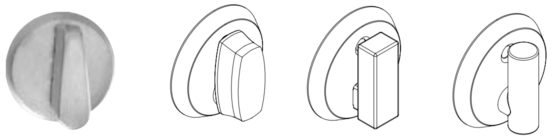


T1 Turn T2 Turn T3 Turn

- Square backplate supplied standard with E, E2, E3 or E4 roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate
- Meets ADA Requirements

130KC Contemporary Backplate

(Shown with Standard Turn)



T1 Turn T2 Turn T3 Turn

- Beveled edge backplate supplied standard with CO and CR roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass or stainless steel plate
- Meets ADA Requirements

130KBHA Turn for use with 8200 Mortise BHW, ALP, BHL and BHD Trim

- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

130W Round Backplate

(Shown with Standard Turn)

- Used with 7800 with sectional trim
- 1-1/2" (38mm) round brass or stainless steel plate

Emergency Releases & Accessories

8200/R8200/7800 Series Mortise Locks

Emergency Releases

184KB Emergency Release (used with R8200 & 8200 with sectional trim)

- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Studio Collection Emergency Release

- 184KC Emergency Release Contemporary
- 184KT Emergency Release – Traditional

184W Emergency Release (used with 7800 with sectional trim)

- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

184KA Emergency Release (used with E rose)

- 1-1/2" (38mm) square brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Emergency Key 14-0057

- Carbon steel
- For 65, 66 and 68 functions only
- Must be ordered separately

184KBHA Emergency Release (used with BHW, ALP, BHL and BHD trim)

- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

Accessories

130KBCVR Cap

- Thumbturn plate
- Covers hole in door when thumb turn is no longer needed

82-4023 Cap

- 2" round
- Covers hole for levers and roses

Door Thickness	Part Number
1-3/8"	82-4022
1-3/4"	82-4023
2"	82-4024
2-1/4"	82-4025

Trim One Side Kit

Refer to page 51 for a complete list of kits

Cylinders

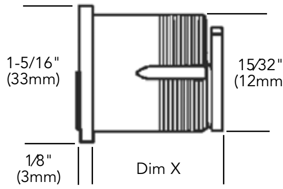
8200/R8200/7800 Series Mortise Locks

Cylinder Lengths (Dim X)

Cylinder No.	41	42	43	44	46	48	50	52	54	56
Dim X Length Under Cylinder Head	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)	2" (51mm)	2-1/4" (57mm)	2-1/2" (64mm)	2-3/4" (70mm)	3" (76mm)

40 Series Type Cylinder

- Cylinder body: Solid brass
- Cap: Brass, bronze or stainless steel
- All functions take a Standard Cam Functions
- Standard Cam 13-0664
- 16 & 92 Inside Cam -105
- 50 Hotel Cam -115 supplied standard with all Hotel Function Cylinders



7850/8250 Function Hotel Cylinder

- When door is locked by deadbolt, only emergency key is able to unlock
- Must request emergency key separately (7268EMK x reg #)
- Supplied with Cam suffix -115 for Hotel Functions

78- Option Exposed Barrel

- Standard for use only with SARGENT Escutcheon Trims KE3, KE4, LE3, LE4
- Available 6-Pin standard or 7-Pin optional
- NOT available with 50-, 60-, 70- or other specialty or higher security options
- See function table for cam required
- Not available in 50 function
- Plug finishes: 4, 15 (similar to 26 finish)

124 Series Mortise Cylinder Turn Lever

- Turn lever: Brass, bronze or aluminum
- Cap: Brass, bronze or stainless steel
- Must be ordered separately

10- Option Signature Series

- The protected system offers the building owner full control over duplication of keys. Highly pick-resistant cylinders
- 10-63- Option — Signature cylinder with Large Format Interchangeable Cores

F1-82- and 82- Option KESO

- The system offers the building owner full control over duplication of keys
- Highly pick-resistant cylinders
- Expanded levels of masterkeying
- F1-83- & 83- Option — Keso removable core
- 84- Option — Keso construction core cylinder

11- Option XC Key System

- Key system works with existing SARGENT keyway adding increased security
- 11- XC standard cylinder
- 11-63- Large format interchangeable core
- 11-73- Small format interchangeable core

DG1, DG2, DG3 - Degree Series

- Utility patented, bump resistant and requires the use of a patented key
- All three locking mechanisms within the same system to be operated with just one key
- See Degree Key System Catalog for available options

Not all cylinder series offered in sizes listed above, for complete cylinder information, see Cylinders & Components, Degree, Signature, Keso, Keso F1 or XC catalogs.

51- Option Old Style Removable Core

- Available for **existing systems only** Permanent Removable Cores
- Control key used to remove core, must request control key separately

60- or 70- Option Plastic Construction Core

- For doors that do not require key locking during the construction period
- Operate with coin or flat screw driver
- For use with LFIC (removable) (60- Option) or SFIC (70- Option) core

63- Option Large Format Interchangeable (Removable) Core

- Allows immediate removal of the core. Virtually unlimited key changes
- Available 10-63-, 11-60-, 11-63- & 11-64-
- For disposable core, see 60- Option
- 64- Option- LFIC 6-Pin construction core
- Control key used to remove core, must request control key separately

7300B Interchangeable Core

- Small Format Interchangeable Core (SFIC)
- SARGENT Interchangeable Core cylinders and MasterKey Systems are available for increased security through quick change of keying. It is unnecessary to remove a cylinder
- SARGENT 7300B Interchangeable Cores are available in SARGENT 4A and 4B keyways, as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M
- For disposable core, see 70- Option
- 65-73 Option — 6-Pin SFIC uncombinated
- 65-73-7P Option — 7-Pin SFIC - uncombinated
- 70- Option — Disposable SFIC
- 72- Option — Construction SFIC
- 11-72- Construction core provided for use with 11-7300 cylinder housing 11-70- temporary plastic core prepared to accept 11-7300 core
- 73- Option — 6-Pin SFIC, SARGENT 4A, 4B keyways
- 73-7P Option — 7-Pin SFIC, SARGENT 4A, 4B keyways
- Control key used to remove core (ordered separately)

1SB Cylinder Collar

- Standard for 7800 BHD, 8200 BHL & BHW mortise locks
- Stainless steel
- 1-29/32" diameter
- Available in 4 sizes
- Projection from door:

1SB-1	5/16" (8mm)
1SB-2	7/16" (11mm)
1SB-3	9/16" (14mm)
1SB-4	11/16" (16mm)

- Finishes: 32, 32D

21- Option Lost Ball Construction System

- The SARGENT construction keying system protects the building owner by providing temporary masterkeying during the construction period

1KB Rosette with 8200 & R8200 sectional trim

- Used with mortise cylinders and No. 90 blocking rings when cylinders project from door
- Furnished standard with L, O, LN, CO, CR, TO and TR roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP
- Projection from door:

1KB-1	5/16" (8mm) — Standard
1KB-2	7/16" (11mm)
1KB-3	9/16" (14mm)
1KB-4	11/16" (16mm)

1KA Rosette with 8200 sectional trim

- Used with mortise cylinders
- Furnished standard with the E, E2, E3 and E4 roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) Square, includes compression spring
- Projection from door:

1KA-1	5/16" (8mm) — Standard
1KA-2	7/16" (11mm)
1KA-3	9/16" (14mm)
1KA-4	11/16" (16mm)

- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

No. 97 Rosette

- Standard for cylinders ordered separately from hardware
- Standard for 7800 knob mortise & 4870 deadbolt
- Brass, bronze or stainless steel
- 1-11/16" diameter (43mm), 9/32" (7mm) projection, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

No. 90 Blocking Ring

- Used with 1KB rosettes as spacer when mortise cylinder projects from face of door
- Brass, bronze or stainless steel
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

1KB-5 Cylinder Retaining Cap

- Required for double cylinder functions on LS Escutcheon *only*
- Steel or stainless steel
- 1-15/32" (37mm) diameter
- 9/16" (14mm) projection
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

Rosette Requirements & Cams

8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Single Cylinder / **Double Cylinder**

Sectional Trim (CO, CR, L, LN, O, PT, SL, SN, TO, TR)

Single Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-2	1KB-1	1KB-1	N/A
42	1KB-3	1KB-2	1KB-2	1KB-1
43	1KB-4	1KB-3	1KB-3	1KB-3

Double Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-3	1KB-2	1KB-1	N/A
42	1KB-4	1KB-3	1KB-2	1KB-1
43	97-0352	1KB-4	1KB-3	1KB-2

Sectional Trim (E, E2, E3, E4)

Single Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KA-2	1KA-1	1KA-1	N/A
42	1KA-3	1KA-2	1KA-2	1KA-1
43	1KA-4	1KA-3	1KA-3	1KA-3

Double Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KA-3	1KA-2	1KA-1	N/A
42	1KA-4	1KA-3	1KA-2	1KA-1
43		1KA-4	1KA-3	1KA-2

Escutcheon Trim (CE, KE1, KE2, KW1, LE1, LE2, LW1, TE)

Single Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-1	Cylinder Only	Cylinder Only	Cylinder Only
42	1KB-2	1KB-1	Cylinder Only	Cylinder Only
43	1KB-3	1KB-1	1KB-1	Cylinder Only

Double Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-2	90 1/8	Cylinder Only	Cylinder Only
42	1KB-3	1KB-2	1KB-1	Cylinder Only
43	1KB-4	1KB-3	1KB-2	90 1/8

Escutcheon Trim (WT)

Single Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	97	Cylinder Only	Cylinder Only	Cylinder Only
42	1SB-2	97	Cylinder Only	Cylinder Only
43	1SB-3	97	97	Cylinder Only

Double Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-2	97	Cylinder Only	Cylinder Only
42	1SB-3	1SB-2	97	Cylinder Only
43	1SB-4	1SB-2	1SB-2	97

Specialty Hardware (BHW, BHL, BHD, ALP)

Single Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-2	1SB-1	1SB-1	N/A
42	1SB-3	1SB-2	1SB-2	1SB-1
43	1SB-4	1SB-3	1SB-3	1SB-3

Double Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-3	1SB-2	1SB-1	N/A
42	1SB-4	1SB-3	1SB-2	1SB-1
43	1SB-4	1SB-4	1SB-3	1SB-2

Sectional and Escutcheon Trim with V Series Indicators

Single Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	Cylinder Only	Cylinder Only	N/A	N/A
42	1KB-1	Cylinder Only	Cylinder Only	N/A
43	1KB-2	1KB-1	Cylinder Only	Cylinder Only

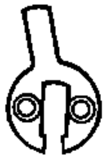
Double Cylinder

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-1	Cylinder Only	N/A	N/A
42	1KB-1	1KB-1	Cylinder Only	N/A
43	1KB-2	1KB-1	1KB-1	Cylinder Only

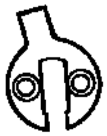
Cylinder Cams For Mortise Locks

SARGENT Conventional Cylinders

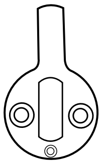
- Standard



Std Cam
(13-0664)
for all functions except for 50 and the Inside cam for 16 & 92 function locks



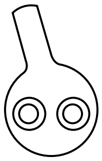
-105 Cam
(13-0665)
16 & 92 Function Inside Cylinder Cam



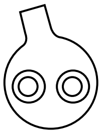
-115 Cam
(13-2045)
50 Function Hotel Cam, supplied with 50 function cylinders

SARGENT Large Format Interchangeable Core Cylinders

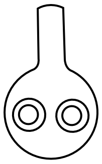
- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix: 63-44-105 cam
- For Standard Cam: no suffix is required



Std 6300 Cam
for all functions except for 50 and the Inside cam for 16 & 92 function locks



-105 Cam
for 6300 Series 16 & 92 function I/S Cylinder



-115 Cam
for 6300 Series 50 (Hotel) function, supplied with 50 function cylinders

See Cylinder catalogs for additional information

ADA and Handicap Warning

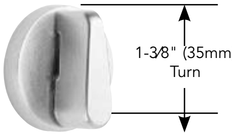
8200/R8200/7800 Series Mortise Locks

ADA and Handicap Warning

Lever Return to Door

- Lever designs H002, H005, H006, H016, J, L, MX, MW, MZ, ND, NF, NJ, NS, NU, P
- Lever returns within 1/2" (13mm) of door face or less
- Meets ADA Compliance for national codes

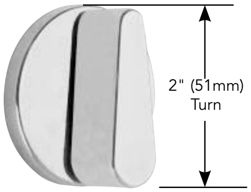
Standard Thumbturn



- Meets ADA Compliance for national codes
- Order as: 130KB, 130KC, 130KT, 130W or 130KA x finish

See page 38 for design

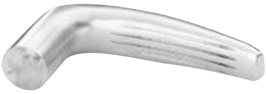
LB - Thumbturn



- Meets the tougher local ADA requirements
- 40% larger than standard thumb turn
- Order as: 130LB, 130LC or 130 LT x finish

See page 38 for design

Tactile Handicapped Warning

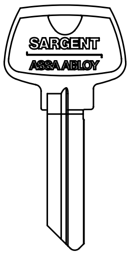


- Abrasive Coating:
  Options 85-, 86- & 87-
  - Complete lever abrasive coated
- Milled 1/16" Grooves:
  Options 75-, 76- & 77-
  - B, E, J, L, P and W Levers — Grooves on backside surface of lever
  - F Lever — Grooves on top and bottom surface of lever

Tactile Handicapped Warning

- Knurled B & C Knobs available ; options 75-, 76-, & 77-
- Knobs are NOT ADA compliant

Keys



- Large key bows are available in Sargent C family of keyways
- Standard key bows can have attachments added to increase the grip area
- Keys are NOT ADA compliant

Mechanical Options:

Available mechanical options by lock type

Categories	How to Specify	Detailed Description	8200	R8200	7800
1-3/8" Door	1-	1-1/16" (27mm) wide front for 1-3/8" (35mm) doors (not available with RX-Option) (1- for 93 + 94 function is a special order)	X	—	X
Add Strength	3-	Stainless steel hubs with in the mortise lock	X	—	—
Strike Option	23-	4-7/8" (124mm) ANSI flat lip strike	X	X	X
	OBS-	Open back strike	X	X	X
	WBS-	Wrought box strike	X	X	X
Thick Doors	31-	For doors 1-7/8" (48mm) to 2-1/4" (57mm) thick — see cylinder options for limitations on door thickness. When ordering the following information is required: Location of lock within the door, door thickness -IF PANELED -must specify panel thickness & panel location (inside or outside of the door) For doors thicker than 2-1/4" — consult factory.	X	X	X
Security Fasteners	36-	6 Lobe head security screws (Torx® type)	X	—	X
	37-	Spanner head security screw (not available with Studio levers)	X	—	X
Visual Indicators	49-	Visual Status Indicator or Occupancy indicator with emergency release (not available with escutcheon trim)	X	X	X
	50-	Secured indicator rose (available with rose trim only)	X	—	X
	V10	Single Indicator Outside - Unlocked/Locked - Green/Red	X	—	X
	V20	Single Indicator Outside - Vacant/Occupied - Green/Red	X	—	X
	V30	Single Indicator Outside - Icons Only - Green/Red	X	—	X
	V40	Single Indicator Outside - Unlocked/Locked - White/Red	X	—	X
	V50	Single Indicator Outside - Vacant/Occupied - White/Red	X	—	X
	V60	Single Indicator Outside - Icons Only - White/Red	X	—	X
	V01	Single Indicator Inside - Unlocked/Locked - Green/Red	X	—	X
	V03	Single Indicator Inside - Icons Only - Green/Red	X	—	X
	V04	Single Indicator Inside - Unlocked/Locked - White/Red	X	—	X
	V06	Single Indicator Inside - Icons Only - White//Red	X	—	X
	V11	Double Indicator - Unlocked/Locked - Green/Red (Outside) Unlocked/Locked - Green/ Red (Inside)	X	—	X
	V21	Double Indicator - Vacant/Occupied - Green/Red (Outside) Unlocked/Locked - Green/ Red (Inside)	X	—	X
	V33	Double Indicator - Icons Only - Green/Red (Outside) Icons Only - Green/Red (Inside)	X	—	X
	V44	Double Indicator - Unlocked/Locked - White/Red (Outside) Unlocked/Locked - White/ Red (Inside)	X	—	X
	V54	Double Indicator - Vacant/Occupied - White/Red (Outside) Unlocked/Locked - White/ Red (Inside)	X	—	X
	V66	Double Indicator - Icons Only - White/Red (Outside) Icons Only - White/Red (Inside)	X	—	X
	EMA	Outside Engraving with "Lock" and Directional Arrow	X	—	X
	EMB	Inside Engraving with "Lock" and Directional Arrow	X	—	X
	EMC	Engraving Both Sides with "Lock" and Directional Arrow	X	—	X
Visual Indicators - French	V10F	Single Indicator Outside - Ouvert/Fermé - Green/Red	X	—	X
	V20F	Single Indicator Outside - Libre/Occupée - Green/Red	X	—	X
	V01F	Single Indicator Inside - Ouvert/Fermé - Green/Red	X	—	X
	V11F	Double Indicator - Ouvert/Fermé - Green/Red (outside) Ouvert/Fermé - Green/Red (inside)	X	—	X
	V21F	Double Indicator - Ouvert/Fermé - Green/Red (outside) Libre/Occupée - Green/Red (inside)	X	—	X

* Available on 15, 26D, and 32D Finishes only

** Not available in combination

Mechanical Options

8200/R8200/7800 Series Mortise Locks

Categories	How to Specify	Detailed Description	8200	R8200	7800
Electrical Options	DX-	Deadbolt monitoring — Monitor deadbolt position (not available with LX-)	X	X	X
	LX-	Latchbolt monitor — Monitors latchbolt position (not available with deadbolt functions)	X	X	X
	RX-**	Request to Exit — Monitors each lever independently (not available with LB-option)	X	X	X
	TL-	SARGuide illuminated inside WT trim with the word EXIT illuminated (4-1/2" pocket depth required)	X	—	—
Lever/Knob Combination	68-	8200 Lock furnished w/lever handle outside x knob inside (not available with the AV-Option or FE Trim)	X	—	—
	69-	8200 Lock furnished w/lever handle inside x knob outside (not available with the AV-Option or FE Trim)	X	—	—
Lead Lining	74-[2]	Lead lining or wrapping available with sectional trim only (not available with DX-or LX-Options)	X	—	X
Tactile Warnings	75-	Tactile Warning — Milled levers or knurled knobs. Inside trim only (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	76-	Tactile Warning — Milled levers or knurled knobs. Outside trim only (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	77-	Tactile Warning — Milled levers or knurled knobs. Inside & outside trim (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	85-[3]	Tactile Warning — Abrasive coating inside trim only (not available with D knobs)	X	X	X
	86-[3]	Tactile Warning — Abrasive coating outside trim only (not available with D knobs)	X	X	X
	87-[3]	Tactile Warning — Abrasive coating inside & outside trim (not available with D knobs)	X	X	X
Anti-Vandal Trim	AV-	Anti-Vandal pull trim (not available with LS & FE trim and Options 1-, 31-, 49-, 50-, 68-, 69-, 76-, 77-, 86-, 87-, DX-or SG-)	X	—	X
Finish Protection	CPC-	Clear Powder Coat (available for 32 & 32D finishes)	X	X	X
	SG-[1]	MicroShield® antimicrobial clear powder coat	X	X	X
Thumbturns (See page 38)	LB-	ADA Extra large thumbturn; backplate matches rose design chosen	X	X	X
	T1-	Decorative thumbturn; backplate matches rose design chosen	X	X	—
	T2-	Decorative square thumbturn; backplate matches rose design chosen	X	X	—
	T3-	Decorative cylinder thumbturn; backplate matches rose design chosen	X	X	—

1 Available on 15, 26D, and 32D Finishes only
2 Not available in combination
3 Entire lever surface provided with abrasive coating

Cylinder Options

8200/R8200/7800 Series Mortise Locks

Cylinder Options:

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Conventional Cylinder		SARGENT Conventional Cylinders supplied standard	41-44,46,48,50,52,54,56
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)	41-44, 46
	DG1-21-*	Degree Level 1 Construction Master Keying	41-44, 46
	DG1-60-	Degree Level 1 Removable Disposable Construction Core	41-44, 46
	DG1-63-	Degree Level 1 Removable Core	41-44, 46
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC	41-44, 46
	DG1-65-*	Degree Level 1 Unassembled/Uncombined Core	41-44, 46
	DG1-78-*	Degree Level 1 Exposed Plug (for use with LE3/LE4 escutcheons only)	41-43
	DG2-*+	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)	41-44, 46
	DG2-21-*	Degree Level 2 Construction Master Keying	41-44, 46
	DG2-60-*	Degree Level 2 Removable Disposable Construction Core	41-44, 46
	DG2-63-*	Degree Level 2 Removable Core	41-44, 46
	DG2-64-*	Degree Level 2 Removable Construction Keyed LFIC	41-44, 46
	DG2-65-*	Degree Level 2 Unassembled/Uncombined Core	41-44, 46
	DG3-*+	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)	41-44, 46
	DG3-21-*	Degree Level 3 Construction Master Keying	41-44, 46
	DG3-60-*	Degree Level 3 Removable Disposable Construction Core	41-44, 46
	DG3-63-*	Degree Level 3 Removable Core	41-44, 46
	DG3-64-*	Degree Level 3 Removable Construction Keyed LFIC	41-44, 46
Signature Key System	**10-***	SARGENT Signature Key System (not available with other key systems)	41-44,46,48,50,52,54,56
	10-21-*	SARGENT Signature Construction Key System (Lost Ball)	41-44,46,48,50,52,54,56
Signature Large Format Interchangeable Core (Removable Core)	**10-63-***	SARGENT Signature LFIC (removable) Core Cylinder	42, 43, 44 & 46
XC- Key System	**11-***	XC Key System (not available with other key systems, unless specified)	41-44,46,48,50,52,54,56
	11-21-*	XC- Construction Key System (Lost Ball)	41-44,46,48,50,52,54,56
XC- Large Format Interchangeable Core (Removable Core)	**11-60-***	Hardware to accept XC- Permanent LFIC (removable core), disposable plastic core provided	42, 43, 44 & 46
	11-63-*	Hardware provided with XC- LFIC (removable core) cylinder (Includes masterkeying, grand masterkeying)	42, 43, 44 & 46
	11-64-*	Hardware provided with keyed construction core to accept XC- LFIC (removable) permanent core ordered separately	42, 43, 44 & 46
XC- Small Format Interchangeable Cores	**11-70-7P-***	Hardware to accept XC- SFIC (7-Pin) XC- permanent cores, disposable plastic core provided	43 & 46
	11-72-7P-*	Hardware to accept XC- SFIC (7-Pin keyed construction core provided) cylinder permanent core ordered separately	43 & 46
	11-73-7P-*	Hardware provided with XC- Small format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
	11-65-73-7P-*	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (permanent) core (packed loose)	43 & 46
Construction Key System	**21-***	SARGENT Lost Ball Construction keying for conventional, XC and Signature Series (N/A with 63- or 73-)	—
	22-*	SARGENT Construction Split Key System for conventional cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)	—
Old Style Removable Core	**51-***	Removable core cylinder (Old style) provided (existing systems only)	142,143,144,146
	52-*	Removable construction core (Old style) permanent core ordered separately (existing systems only)	142,143,144,146

* Options not available with 50 function lockout cylinder

+ Not available with R8200 Series

Note: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements

Cylinder Options

8200/R8200/7800 Series Mortise Locks

Cylinder Options:

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Large Format Interchangeable Core	**60-**	Hardware to accept SARGENT permanent LFIC (removable core), disposable plastic core provided (permanent cores ordered separately)	42, 43, 44 & 46
	63-	Hardware provided with LFIC (removable core) cylinder - (Includes masterkeying, grand masterkeying)	42, 43, 44 & 46
	64-	Hardware provided with Keyed construction core to accept LFIC (removable) permanent core (ordered separately)	42, 43, 44 & 46
Small Format Interchangeable Cores	**70-***	Hardware to accept 6- or 7-Pin SFIC permanent cores, disposable plastic core provided	43 & 46
	72-*	Hardware to accept 6- or 7-Pin SFIC (keyed construction core provided) cylinder (permanent core ordered separately)	43 & 46
	73-*	Hardware provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)	43 & 46
	65-73-*	Hardware provided to accept uncombinated 6-Pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	65-73-7P-*	Hardware provided to accept uncombinated 7-Pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	73-7P-*	Hardware provided with Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
Keso & Keso F1	**81-***	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (permanent cores ordered separately)	172-174,176
	82-	Hardware provided with SARGENT Keso security cylinder	71-74,76
	F1-82-	Hardware provided with SARGENT Keso F1 security cylinder (patented)	71-74,76
	83-*	Hardware provided with SARGENT Keso security removable core cylinder	172-174,176
	F1-83-*	Hardware provided with SARGENT Keso F1 security removable core cylinder (patented)	172-174,176
	84-*	Hardware provided with SARGENT Keso construction cores (permanent cores ordered separately)	172-174,176
Additional Security	**BR-**	Bump resistant cylinder (available with conventional & conventional XC cylinders only)	—
Less Cylinder	**LC-**	Less cylinder – SARGENT supplies standard blocking rings for 1-1/8" cylinders (for longer cylinders order collars/rings separately)	—
Schlage Keyways	**SC-*^**	Schlage C keyway cylinder, 0 bitted	#41 Only
	SE-*^	Schlage E keyway cylinder, 0 bitted	#41 Only

^ Options not available with Freewheeling Trim

* Options not available with 50 function lockout cylinder

Note: When using Interchangeable Core Cylinders, the ANSI/BHMA Cylinder Grade determines the grade of the lock, even if the lock is certified ANSI/BHMA Grade 1 with a standard cylinder

Cylinder Length	SARGENT Cylinder Sizes	Keso Cylinder Sizes	Keso R/C Cylinder Sizes
1-1/8"	#41	#71	N/A
1-1/4"	#42	#72	#172
1-3/8"	#43	#73	#173
1-1/2"	#44	#74	#174
1-3/4"	#46	#76	#176
2"	#48	N/A	N/A
2-1/4"	#50	N/A	N/A
2-1/2"	#52	N/A	N/A
2-3/4"	#54	N/A	N/A
3"	#56	N/A	N/A

How To Order, Finishes, Packaging & Security Screw Chart

8200 Series Mortise Locks

SARGENT
ASSA ABLOY

How to Order 8200, R8200 & 7800 Series Mortise Locks

10-	82	71	12VDC	TR	MJ	15	RHR
Options*	**Series**	**Function**	**Voltage**	**Roses/ Escutcheons**	**Trim**	**Finish**	**Hand**
For all available options see Pages 45-48	82 R82 78 Mortise Lock	Pages 19-28 for Details	12VDC 24VDC	Pages 10-13 (With R8200, specify "R" for roseless design)	Levers — Pages 8-12 FW Trim — Page 14, Push/Pull Trim — Page 18, Knobs — Page 15	Page 49	RHR
							RH
			Must be specified for Functions 70, 71, 72 & 73				LHR
							LH

* Multiple options can be selected

Finishes

Standard Levers & Knobs	BHW Trim	BHL Trim	BHD Trim	Studio Collection Lever Trim	8200 Coastal Series™ Trim and 8200 Freewheeling Trim	7800 Push/Pull Trim	Description	ANSI/ BHMA
03				03	03	03	Polished brass, clear coated	605
04				04	04	04	Satin brass, clear coated	606
09				09	09	09	Polished bronze, clear coated	611
10				10	10	10	Satin bronze, clear coated	612
10B				10B	10B	10B	Oxidized bronze, oil rubbed	613
10BE				10BE	10BE		Dark oxidized satin bronze, equivalent	(613E)
10BL				10BL	10BL		Oxidized satin, bronze, clear coated	614
14				14	14		Polished nickel, clear coated	618
15 *				15 *	15 *		Satin nickel, clear coated	619
20D				20D	20D		Statuary dark bronze, clear coated	624
26				26	26		Polished chrome	625
26D *				26D *	26D *		Satin chrome	626
32	32	32	32	32		32	Polished stainless steel	629
32D *	32D *	32D *	32D *	32D *		32D *	Satin stainless steel	630
BSP				BSP	BSP		Black suede powder coat	—
WSP				WSP	WSP		White suede powder coat	—

* MicroShield® — optional designate SG- option (Available on 15, 26D, and 32D Finishes only)
Split Finishes — specify outside finish first, then inside finish example: US26D (outside) / US04 (inside)

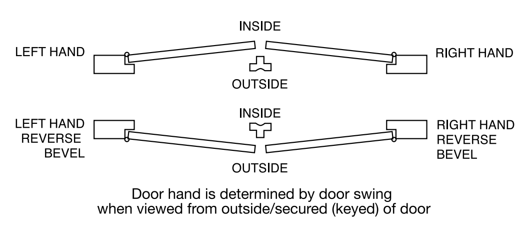
6 Lobe & Spanner Bit packs

Part Number	Descriptions
82-3855	6 Lobe Bit Pack 6 bits
82-3856	(sizes- T8, T9, T10, T15, T20, T25, T27) 9/32" Driver Spanner Bit Pack 5 bits (sizes- 6, 8, 10, 12, 14) 1/4" Driver

Packaging

8205 x LNL	approx. 6.1 lbs. (2.7kg)/box	6 boxes/case
8205 x WTL	approx. 7.2 lbs. (3.1kg)/box	6 boxes/case

Door Handing



* Multiple options available
Wrought Box Strike optional — must order with lockset as WBS- option

Electrified Mortise Locks with High Security Monitoring:

The high security monitoring options of our industry-leading Integrated Wiegand locks are now available in a mortise lock that can be used as a stand-alone electrified lock or in conjunction with a wall reader. Every NAC lock is shipped with door position and request to exit monitoring installed. NAC locks ordered with deadbolt are supplied with deadbolt monitoring.

Functions:

If the lock needs to have:	Then select:		
	Series	Type	Function
No key override and no deadbolt			
Fail Safe	NAC-	82	274
Fail Secure	NAC-	82	275
No key override with deadbolt			
Fail Safe	NAC-	82	284
Fail Secure	NAC-	82	285
Key override and no deadbolt			
Fail Safe	NAC-	82	270
Fail Secure	NAC-	82	271
Key override and deadbolt			
Fail Safe	NAC-	82	280
Fail Secure	NAC-	82	281

Description of Functions:

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override: Key outside retracts latch and/or deadbolt when trim is locked electronically
- Deadbolt projected and retracted by thumbturn or key

High Security Monitoring Options

- **Internal End-of-Line Monitoring**

  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate prefix to your order string:

  – **R01:** Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision

  – **R03:** Software House compatible 1KΩ/2KΩ resistance supervision

  – **R04:** AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR-)**

  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.

  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas

  – To order, add the PHR- prefix to your order string

Note: PHR is only available on Fail Secure functions

- **Integrated Door Position Switch (IDP-)**

  – The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.

  – This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.

  – To order, add the IDP- prefix to your order string

Ordering Examples:

R01-IDP-NAC-82271-12V-LN-MD-26D-LHR

R04-PHR-IDP-NAC-82281-24V-LN-MD-26D-RHR

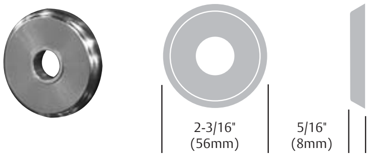
Coastal Series™ & Standard Trim

8200/R8200/7800 Mortise Locks

Coastal Series Roses & Escutcheons

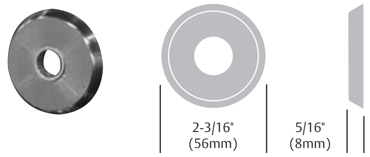
TR Traditional Rose

- Dual radii edge


2-3/16"
(56mm)
5/16"
(8mm)

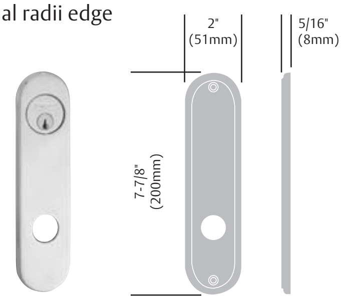
CR Contemporary Rose

- Beveled edge


2-3/16"
(56mm)
5/16"
(8mm)

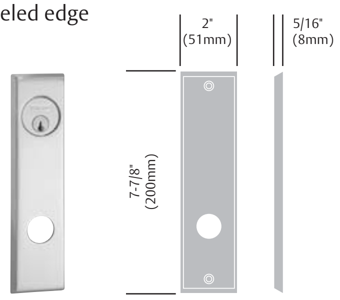
TE Traditional Escutcheon

- Dual radii edge


2"
(51mm)
5/16"
(8mm)
7-7/8"
(200mm)

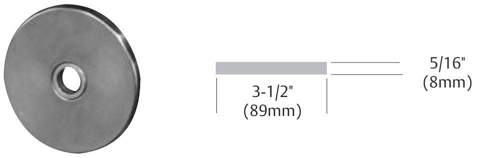
CE Contemporary Escutcheon

- Beveled edge

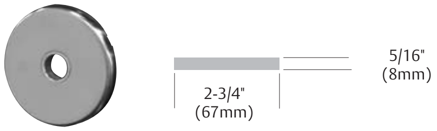

2"
(51mm)
5/16"
(8mm)
7-7/8"
(200mm)

Standard Roses

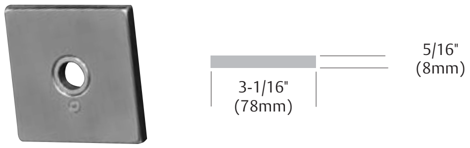
L Rose


3-1/2"
(89mm)
5/16"
(8mm)

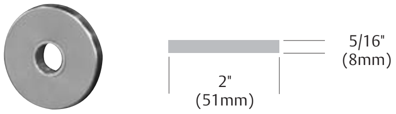
O Rose


2-3/4"
(67mm)
5/16"
(8mm)

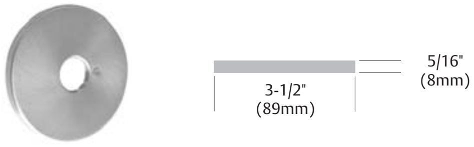
E Rose


3-1/16"
(78mm)
5/16"
(8mm)

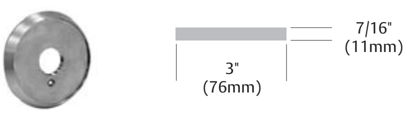
LN Rose


2"
(51mm)
5/16"
(8mm)

SL Rose


3-1/2"
(89mm)
5/16"
(8mm)

BH Rose


3"
(76mm)
7/16"
(11mm)

Coastal Series™ & Standard Levers

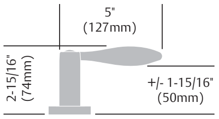
8200 Mortise Locks

Coastal Series

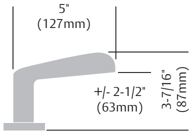
(8200 & R8200 Series)

Features
- All levers meet ADA compliance for national codes
- Not available with CO and TO roses
- Levers are solid cast brass
- Finishes available – 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
- All lever height (+/- 1/16") measurements represent total distance from door face

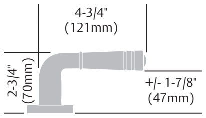
G - Gulfport™
(Handed)


5"
(127mm)
2-15/16"
(74mm)
+/- 1-15/16"
(50mm)

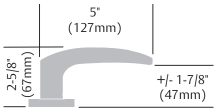
S - Sanibel™
(Handed)


5"
(127mm)
+/- 2-1/2"
(63mm)
3-7/16"
(87mm)

R - Rockport™


4-3/4"
(121mm)
2-3/4"
(70mm)
+/- 1-7/8"
(47mm)

Y - Yarmouth™
(Handed)

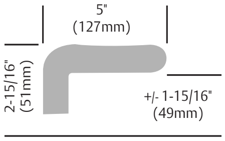

5"
(127mm)
2-5/8"
(67mm)
+/- 1-7/8"
(47mm)

Standard Levers

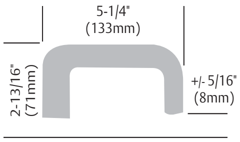
(8200 Series Only)

Features
- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

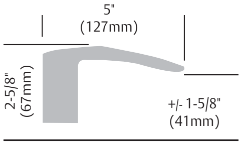
A
(Handed)


5"
(127mm)
2-15/16"
(51mm)
+/- 1-15/16"
(49mm)

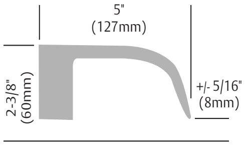
J


5-1/4"
(133mm)
2-13/16"
(71mm)
+/- 5/16"
(8mm)

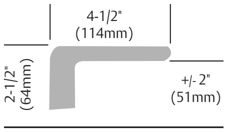
B


5"
(127mm)
2-5/8"
(67mm)
+/- 1-5/8"
(41mm)

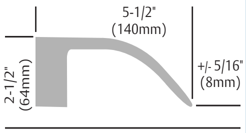
L


5"
(127mm)
2-3/8"
(60mm)
+/- 5/16"
(8mm)

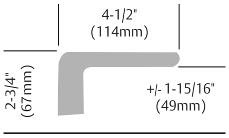
E


4-1/2"
(114mm)
2-1/2"
(64mm)
+/- 2"
(51mm)

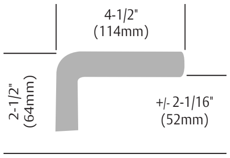
P


5-1/2"
(140mm)
2-1/2"
(64mm)
+/- 5/16"
(8mm)

F


4-1/2"
(114mm)
2-3/4"
(67mm)
+/- 1-15/16"
(49mm)

W


4-1/2"
(114mm)
2-1/2"
(64mm)
+/- 2-1/16"
(52mm)

ACCENTRA
ASSA ABLOY

Experience a safer
and more open world

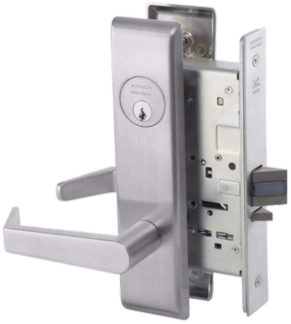
8800 SERIES

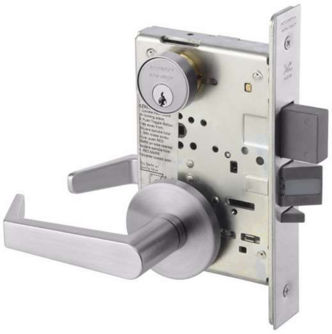
ANSI/BHMA Grade 1 Certified Mortise Locks

FEATURES

Features

- UL Cycle above and beyond test completed at 12.3 Million Cycles. Verification ID: V572228
- Heavy-duty trim for resistance against damage and vandalism
- Functions available for any industrial or commercial application
- Field adjustable lever handing and latchbolt
- ANSI/BHMA Certified Grade 1 for long-life and durability
- UL/cUL listed for 3 hour fire rated doors
- 10 year mechanical warranty
- Available in a variety of attractive trims and finishes
- Status indicator options available to provide peace of mind on the locked/unlocked status of a door


Escutcheon Trim


Rose/Sectional Trim

Applications

- Offices
- Shopping centers
- Industrial buildings
- Commercial facilities

Specifications

Armor Front	8" x 1-1/4"
Backset	2-3/4" only
Case	Wrought steel, zinc dichromated
Deadbolt	1" throw, cast stainless steel.
Door Thickness	1-3/4" standard, available for up to 3-1/4" thick doors
Handing	Field reversible
Hubs	3/8" solid steel, fine-blanked and heat treated for additional strength
Latchbolt	3/4" throw, stainless steel one-piece anti-friction
Strike	1-1/4" (model 2815) curved lip strike standard, see page 40 for additional options.

SL8800

For more heavy-duty applications, the SL8800 Series Mortise Lock offers an extra measure of security. The SL8800 is ideal for situations where heavy abuse or vandalism might be a concern. The SL8800 is available in most mortise lock functions; please see pages 12-17 for more information. 630 finish only.

Available with the following lever designs: AR, AU, CR, JN, MO, PB, VI

Features

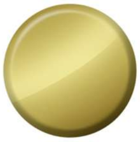
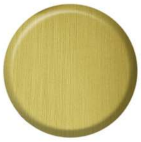
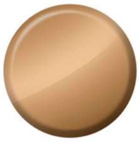
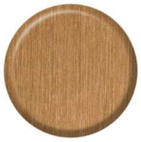
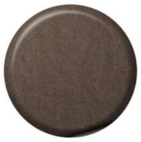
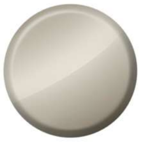
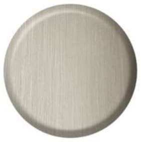
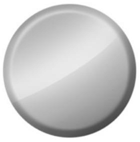
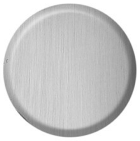
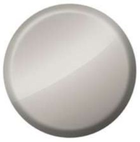
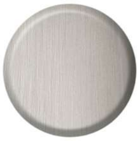
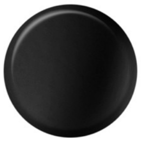
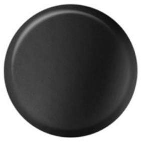
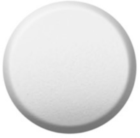
- Heavy duty escutcheon trim that is flat against the door to resist damage and vandalism
- Lever attached directly to escutcheon for added security
- Thrubolted security head screws offer added protection

Applications

- Schools
- Minimum security prisons
- High crime areas

FINISHES

The 8800 Series Mortise Lock is available in the finishes below. All knobs, lever handles, roses, escutcheons, cylinder collars and other exposed parts are fabricated of either brass, stainless steel or zinc and will be compatible with the finish ordered. When ordering, specify the finish required by the ANSI/BHMA Code Number only. When locksets are ordered with different trim finishes on each side, specify the outside finish first, i.e. AUR8817-2 x 612 x 625. The front and strike finish will match the inside finish unless specified otherwise.

ANSI/BHMA Code Finish Description				
605 **Bright Brass, Clear Coated**	**606** **Satin Brass, Clear Coated**	**611** **Bright Bronze, Clear Coated**	**612** **Satin Bronze, Clear Coated**	**613E** **Dark Oxidized Satin Bronze - equivalent**
				
618 **Bright Nickel Plated, Clear Coated**	**619*** **Satin Nickel Plated, Clear Coated**	**625** **Bright Chrome Plated**	**626*** **Satin Chrome Plated**	**629** **Bright Stainless Steel**
				
630* **Satin Stainless Steel**	**693** **Black Painted**	**BSP** **Black Suede Powder Coat**	**WSP** **White Suede Powder Coat**	
				

Notes:

HA lever available in only the following finishes: 605, 619, 625, 626.

SL escutcheon trim available in 630 finish only.

Reflections® decorative levers are NOT available in the following finish: 693.

*Finish available with MicroShield® antimicrobial coating, additional finishes by special application. Consult factory for availability.

MicroShield coating may vary finish color from architectural standards. MicroShield is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY ACCENTRA™ makes no representations or warranties, express or implied, as to the efficacy of MicroShield.

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TECHNICAL SPECIFICATIONS AND LISTINGS

ADA

The 8800 meets accessibility guidelines of the Americans with Disabilities Act and the requirements of the Uniform Federal Accessibility standards and ANSI 117.1, all requiring ease of accessibility.

ANSI/BHMA

Certified ANSI/BHMA A156.13, Series 1000, Operational Grade 1 (8800FL with CN escutcheon & SL8800 meet Security Grade 1).

Bevel Front

ACCENTRA 8800 series fronts are free-floating to adjust from flat to the standard bevel of 1/8" in 2".

Door Thickness

8800 Series Mortise Locks are supplied as standard for 1-3/4" thick doors. For other than standard, specify the door thickness on the order: (i.e. 2", 2-1/4", etc.)

Installation

ACCENTRA 8800 Series sectional and escutcheon trims feature thrubolted installation. Outside trim is held in place by threaded posts. For sectional trims, the posts fit through holes in the lock case and are secured by thrubolts from the inside trim. For escutcheon trims, the posts fit through the door and are secured by thrubolts from the inside trim. The posts fit through holes in the door, above and below the lock case, and are secured by thrubolts from the inside trim.

ISO 9001

Designed and manufactured under a certified ISO 9001 quality system.

Lead Shielding

All ACCENTRA 8800 Series Mortise Locks are available with a lead shield for installation in lead-lined doors. To order, suffix the lockset model number with “lead-lined.”

Knurled Designs

Where required by the local authority, trim can be knurled to be identifiable to the touch for blind persons. CO knob design and all lever designs except HA and Reflections® trim may be ordered knurled.

Only the outside knob or lever will be knurled or abrasive coated unless specified otherwise. To order a complete lockset knurled or abrasive coated, suffix the lockset model number with one of the following codes, i.e AUCN x 8807FL x 626 x KNB.

Option	Description
KNB	Knurled both sides
KNI	Knurled inside only
KNO	Knurled outside only
ABCB	Abrasive coating both sides
ABCI	Abrasive coating inside only
ABCO	Abrasive coating outside only

Underwriters Laboratories (UL/cUL)

ACCENTRA 8800 Series Mortise Locks have been listed by Underwriters Laboratories Inc. for use on fire doors having a rating up to and including 3 hours and for use on 20 minute wood doors. This pertains to single swing doors not exceeding 4 feet in width and 8 feet in height and in doors mounted in pairs not exceeding 8 feet in either direction (unless otherwise noted in the individual listings.)

In general, single-point mortise locks or latches with 3/4" minimum latch throw are intended for the active leaf of doors mounted in pairs, with the inactive leaf provided with top and bottom flush or surface bolts of the manual, automatic, or self-latching type. The door Classification Marking specifies the minimum latch throw required for the individual door.

ACCENTRA 8800 Series Mortise Locks with 3/4" throw latchbolts may also be used on single swing doors rated 1-1/2 hours or less, up to 4 feet in width and 9 feet in height. This is in addition to the rating mentioned above. All 8800 Series Mortise Locks with Lever Handle Trim are UL listed for fire door applications. Underwriters Laboratories does not list locks with rabbeted fronts, locks with deadbolt only, or locks with hold-back feature on the latchbolt.

Note: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and ASSA ABLOY ACCENTRA™ makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Warranty

ACCENTRA 8800 Series mechanical mortise locks are protected by a ten (10) year warranty and 8800 Series electrified mortise locks have a two (2) year warranty.

Windstorm

Hurricane

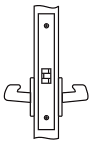
Certified (refer to local codes).

MECHANICAL FUNCTIONS

8801 Passage Or Closet Latch (F01)

- For doors that do not require locking
- Latchbolt retracted by knob/lever either side at all times

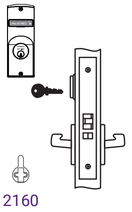
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8801K	8801FL	3/4"
SL	–	SL8801FL	3/4"
Reflections®	–	8801RL	3/4"



8808 Classroom Lock (F05)

- For classroom, office, or utility room doors
- Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by key
- Inside knob/lever always active
- Latchbolt can be retracted by key when outside knob/lever is locked
- Operating inside knob/lever retracts latchbolt, but outside knob/lever remains locked
- Deadlocking latchbolt

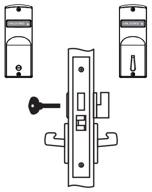
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8808K	8808FL	3/4"
SL	–	SL8808FL	3/4"
Reflections®	–	8808RL	3/4"



8802 Privacy, Bedroom Or Bath Lock (F19)

- Latchbolt retracted by knob/lever either side
- Deadbolt operated by thumbturn inside
- When the deadbolt is projected, outside knob/lever is automatically locked
- Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously, automatically unlocking outside knob/lever.
- In emergency, deadbolt may be unlocked from outside by E203 emergency key, supplied

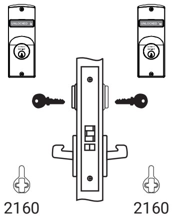
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8802K	8802FL	3/4"	1"
SL	–	SL8802FL	3/4"	1"
Reflections®	–	8802RL	3/4"	1"



8808-2 Intruder Latchbolt Lock (F32)

- Latchbolt retracted by knob/lever either side unless outside knob/lever is locked by key
- Either cylinder locks or unlocks outside knob/lever
- Latchbolt can be retracted by key when outside knob/lever is locked
- Operating inside knob/lever retracts latchbolt, but outside knob/lever remains locked
- Deadlocking latchbolt

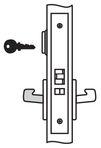
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8808-2K	8808-2FL	3/4"
SL	–	SL8808-2FL	3/4"
Reflections®	–	8808-2RL	3/4"



8805 Storeroom Or Closet Lock (F07)

- For use on storeroom, utility, exit doors
- Latchbolt retracted by key outside, knob/lever inside
- Outside knob/lever rigid at all times
- Inside knob/lever always active
- Deadlocking latchbolt

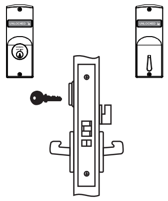
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8805K	8805FL	3/4"
SL	–	SL8805FL	3/4"
Reflections®	–	8805RL	3/4"



8809 Classroom Or Office Lock

- Latchbolt retracted by knob/lever either side unless outside knob/lever is locked by key outside or thumbturn inside
- Latchbolt retracted by thumbturn inside or key outside
- Inside knob/lever always active
- Deadlocking latchbolt

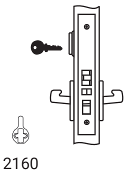
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8809K	8809FL	3/4"
SL	–	SL8809FL	3/4"
Reflections®	–	8809RL	3/4"



8807 Entry Lock (F04)

- For office doors where locking is required
- Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by stopwork activator
- When outside knob/lever is locked, latchbolt is operated by key outside and knob/lever inside
- Deadlocking latchbolt

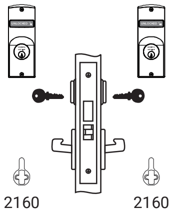
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8807K	8807FL	3/4"
SL	–	SL8807FL	3/4"
Reflections®	–	8807RL	3/4"



8811-2 Intruder Deadbolt Lock (F33)

- Latchbolt retracted by knob/lever either side unless outside knob/lever is locked by key
- Deadbolt operated by key either side
- When deadbolt is projected, outside knob/lever is automatically locked
- Key retraction of deadbolt unlocks outside knob/lever
- Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously, automatically unlocking outside knob/lever.

Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8811-2K	8811-2FL	3/4"	1"
SL	–	SL8811-2FL	3/4"	1"
Reflections®	–	8811-2RL	3/4"	1"



Indicator options available for both sectional and escutcheon trim.

Cylinder cam required.

Indicates rigid knob/lever.

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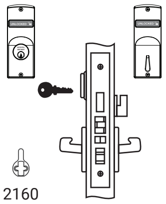
MECHANICAL FUNCTIONS

8847 Apartment Corridor Door Lock (F20)

- Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by stopwork activator
- Deadbolt operated by key outside, thumbturn inside
- When outside knob/lever is locked, latchbolt and deadbolt are operated by key outside
- When deadbolt is projected, outside knob/lever is automatically locked
- Anti-panic operation. Operating inside knob/lever automatically retracts latchbolt and deadbolt with outside knob/lever remaining locked.
- Deadlocking latchbolt

Note: Indicator shows deadbolt position only

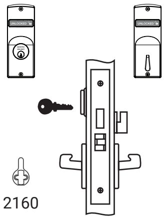
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8847K	8847FL	3/4"	1"
SL	—	SL8847FL	3/4"	1"
Reflections®	—	8847RL	3/4"	1"



8860 Room Door Lock (F21)

- Latchbolt retracted by knob/lever either side
- Deadbolt operated by key outside, thumbturn inside

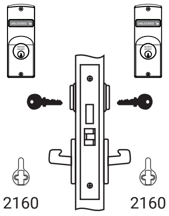
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8860K	8860FL	3/4"	1"
SL	—	SL8860FL	3/4"	1"
Reflections®	—	8860RL	3/4"	1"



8860-2 Store Door Lock (F14)

- Latchbolt retracted by knob/lever either side
- Deadbolt operated by key both sides

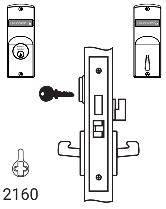
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8860-2K	8860-2FL	3/4"	1"
SL	—	SL8860-2FL	3/4"	1"
Reflections®	—	8860-2RL	3/4"	1"



8861 Dormitory Or Storeroom Lock

- Latchbolt retracted by knob/lever either side
- Deadbolt operated by key outside, thumbturn inside
- When deadbolt is projected, outside knob/lever is automatically locked
- When deadbolt is retracted, outside knob/lever is automatically unlocked

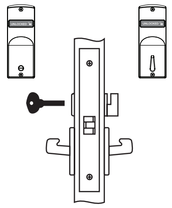
Trim	Model Numbers		Throw	
	Knobs	Levers	Latchbolt	Deadbolt
Standard	8861K	8861FL	3/4"	1"
SL	—	SL8861FL	3/4"	1"
Reflections®	—	8861RL	3/4"	1"



8862 Privacy, Bedroom Or Bath Lock (F22)

- Latchbolt retracted by knob/lever either side except when outside knob/lever is locked by thumbturn
- Operating inside knob/lever retracts the latchbolt, automatically unlocking outside knob/lever
- Outside emergency release unlocks outside knob/lever. E203 emergency key supplied
- Automatically unlocks when door latches

Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8862K	8862FL	3/4"
SL	—	SL8862FL	3/4"
Reflections®	—	8862RL	3/4"

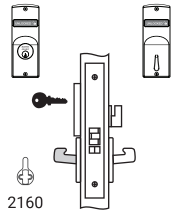


8864 Bathroom Lock With Indicator

- Latchbolt retracted by key outside, knob/lever inside
- Indicator operated by thumbturn inside, key outside
- When indicator shows red with a locked padlock icon, key outside will operate indicator and retract latchbolt
- Outside knob/lever rigid at all times
- Inside knob/lever always active
- Deadlocking latchbolt
- Function only available with CO, R6, R7, R8 roses or CN escutcheon

Note: CIND indicator provided standard. V series indicators must be specified by option code.

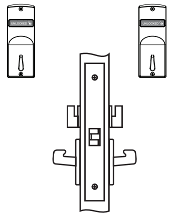
Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8864K	8864FL	3/4"
Reflections®	—	8864RL	3/4"



8865 Bathroom Lock

- Latchbolt retracted by knob/lever either side except when outside knob/lever is locked by thumbturn either side
- Outside thumbturn unlocks outside knob/lever
- Automatically unlocks when door latches
- Operating inside knob/lever retracts the latchbolt, automatically unlocking outside knob/lever

Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8865K	8865FL	3/4"
SL	—	SL8865FL	3/4"
Reflections®	—	8865RL	3/4"

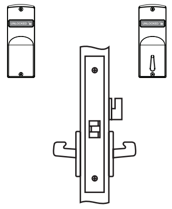


8866 Passage Lock With Indicator

- For doors with indicator that do not require locking
- Latchbolt retracted by knob/lever either side at all times
- Throwing thumbturn on inside changes state of status indicator
- Rotating either knob/lever returns indicator to previous state

Note: Only available with "V" series indicators. Indicator option code must be specified with this function

Trim	Model Numbers		Latchbolt Throw
	Knobs	Levers	
Standard	8866K	8866FL	3/4"
Reflections®	—	8866RL	3/4"



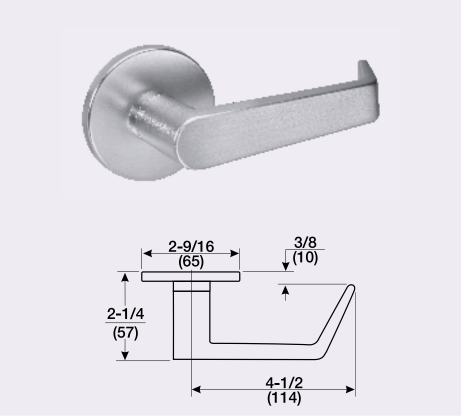
Indicator options available for both sectional and escutcheon trim.

Cylinder cam required.

Indicates rigid knob/lever.

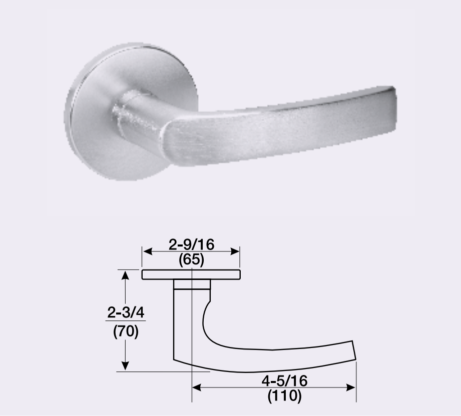
TRIM DESIGNS

AUGUSTA AUR
AU Lever Handle: Cast



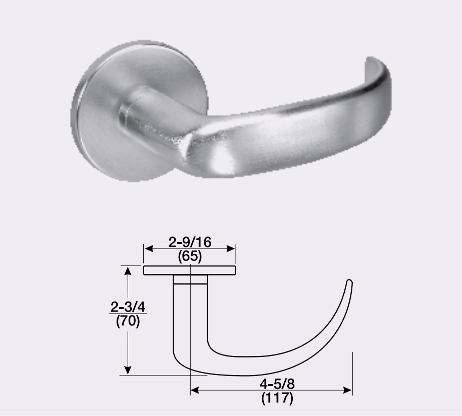
2-9/16
(65)
3/8
(10)
2-1/4
(57)
4-1/2
(114)

MONROE MOR
MO Lever Handle: Cast



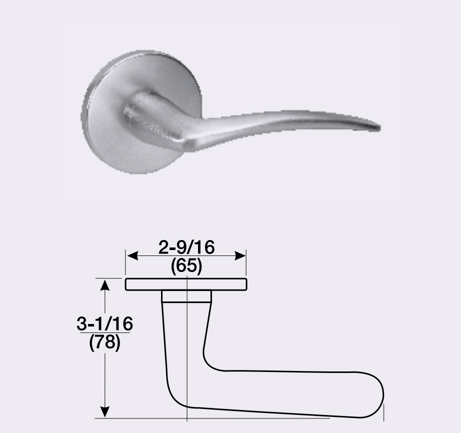
2-9/16
(65)
2-3/4
(70)
4-5/16
(110)

PACIFIC BEACH PBR
PB Lever Handle: Cast



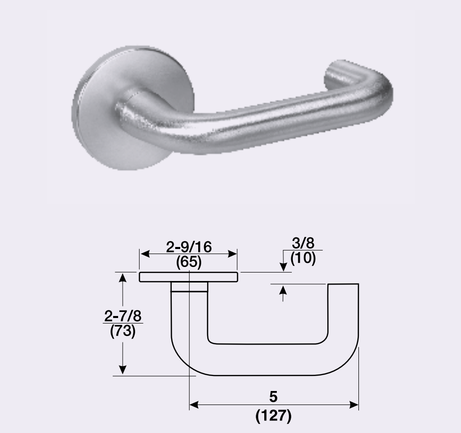
2-9/16
(65)
2-3/4
(70)
4-5/8
(117)

ARCADIA ARR
AR Lever Handle: Cast



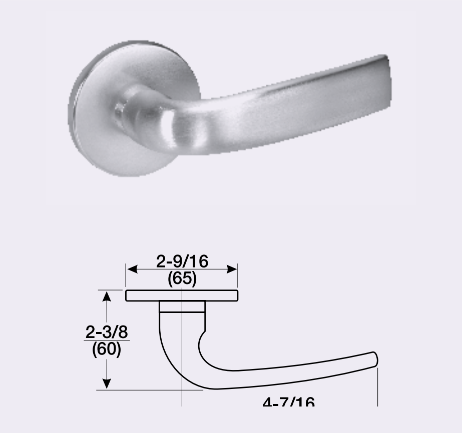
2-9/16
(65)
3-1/16
(78)

CARMEL CRR
CR Lever Handle: Cast



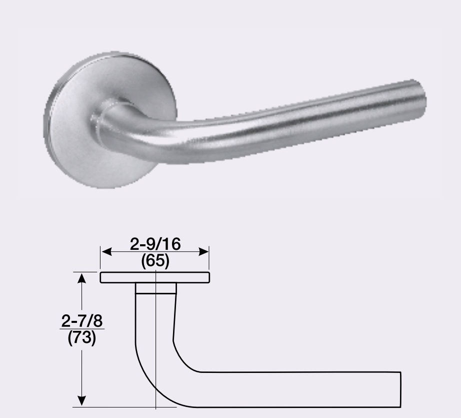
2-9/16
(65)
3/8
(10)
2-7/8
(73)
5
(127)

JEFFERSON JNR
JN Lever Handle: Cast



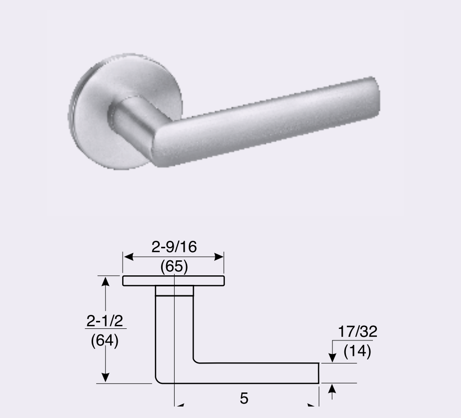
2-9/16
(65)
2-3/8
(60)
4-7/16

PINEHURST PNR
PN Lever Handle: Cast



2-9/16
(65)
2-7/8
(73)

VIRGINIA VIR
VI Lever Handle: Cast



2-9/16
(65)
2-1/2
(64)
17/32
(14)
5

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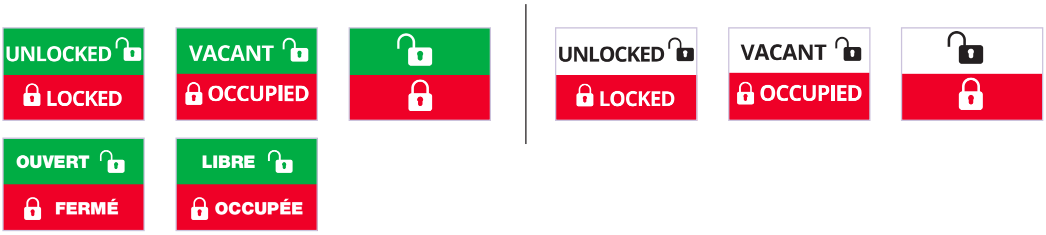
Indicator Option Codes

8800 Series indicator option codes are designed to convey wording, color and side of door desired in one simple code. To order, specify option code for complete locksets and/or retrofit/upgrade trim kits.



Single Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V10	Unlocked/Locked	No Indicator	Green/Red
V10F	Ouvert/Fermé	No Indicator	Green/Red
V20	Vacant/Occupied	No Indicator	Green/Red
V20F	Libre/Occupée	No Indicator	Green/Red
V30	Icons Only	No Indicator	Green/Red
V40	Unlocked/Locked	No Indicator	White/Red
V50	Vacant/Occupied	No Indicator	White/Red
V60	Icons Only	No Indicator	White/Red
V01	No Indicator	Unlocked/Locked	Green/Red
V01F	No Indicator	Ouvert/Fermé	Green/Red
V03	No Indicator	Icons Only	Green/Red
V04	No Indicator	Unlocked/Locked	White/Red
V06	No Indicator	Icons Only	White/Red

Double Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V11	Unlocked/Locked	Unlocked/Locked	Green/Red
V11F	Ouvert/Fermé	Ouvert/Fermé	Green/Red
V21	Vacant/Occupied	Unlocked/Locked	Green/Red
V21F	Libre/Occupée	Ouvert/Fermé	Green/Red
V33	Icons Only	Icons Only	Green/Red
V44	Unlocked/Locked	Unlocked/Locked	White/Red
V54	Vacant/Occupied	Unlocked/Locked	White/Red
V66	Icons Only	Icons Only	White/Red

Engraving			
Option Code	**Outside**	**Inside**	**Wording**
EMA	Engraving	No Engraving	"Lock" with arrow
EMB	No Engraving	Engraving	"Lock" with arrow
EMC	Engraving	Engraving	"Lock" with arrow

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Product Catalog

SARGENT®
ASSA ABLOY

80 Series
Exit Device

ASSA ABLOY, the global leader
in door opening solutions

Windstorm Certifications

80 Series

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 80 Series lock.

Florida Building Code: FL2998

UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication 320 (2014)	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only.
FEMA Publication 361 (2015)	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only.
ICC 500 (2014)	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Cylinder Information for Exit Devices

Cylinder Chart: Exit Device Series x Function		**ET Trim** (700 Series Auxiliary Control)		**PTB, PSB, STS, MAL, MSL, FLL, FSL, FLW, FSW**	
	Door Thickness	**1-3/4"** (44mm)	**2-1/4"** (57mm)	**1-3/4"** (44mm)	**2-1/4"** (57mm)
Narrow Stile Mortise Exit Device	8304	46	48	41	43
	8313/8343	41	41	Not Available	
	8344	46	48	Not Available	
	8363	Not Available		41	43
	8375/8376	46	48	Not Available	
Narrow Stile CVR Exit Device	All 8400	41	41	Not Available	
Narrow Stile Rim Exit	8504	34	34	Not Available	
	8513/8543	41	41	Not Available	
Concealed Vertical Rod Exit Devices	All LP/LR/LS8600	41	Not Available		
	All SP/PP/PR8600	41	Not Available		
	All AD, MD & WD8600	41	41	Not Available	
Surface Vertical Rod Exit Devices	8706/8713/8743/8746	41	41	Not Available	
	8762/8763	Not Available		34	34
	All SP/PP/PR8700	41	N/A	Not Available	
Rim Exit Devices	8804	34	34	34	34
	8806/8813/8843/8846	41	41	Not Available	
	8816	34/*44	34/*44	Not Available	
	8844	34	34	Not Available	
	8863	Not Available		34	34
	8866	Not Available		34/*44	34/*44
	8875/8876/8877	34	34	Not Available	
Mortise Lock Exit Devices	8904	46	48	41	43
	8913/8943	41	41	Not Available	
	8916	*34/46	*34/48	Not Available	
	8944	46	48	Not Available	
	8963	Not Available		41	43
	8966	Not Available		*41/34	*43/34
	8975/8976	46	48	Not Available	

* Inside Cylinders
Chart shows cylinder type and size for conventional SARGENT cylinders.
Note: Cylinder sizes & types are limited, as noted: SC- & SE- cylinders are available in size 41
60-, 63- & 64- cylinders are available in sizes 42, 43, 44 & 46
70-, 11-70-, 72-, 11-72-, 73- & 11-73 cylinders are available in sizes 43 & 46
Note: The 8888's Lever & Rose Trim cylinder standard is the standard SARGENT 10 Line cylinder (13-3266)
Note: 41 Cylinder is 1-1/8" in length; For each additional digit, the cylinder is a 1/8" longer. Example: 42 is 1-1/4"; 43 is 1-3/8" and 46 is 1-3/4"
Note: SARGENT supplies standard blocking rings. Specify if using competitor cylinders

Mullions: Aluminum, Steel and Electrified

80 Series

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"	96"	96"
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 :98-2559
96"
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	96"	96"	96"	96"	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.	Fire rated for 8'0" x 8'0" paired openings	See Notes Below	12-HD980 is for pair of doors over 8'0" to 10'0" for use with 2-8800 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 ottom Ret Pack - 98-2600 op 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

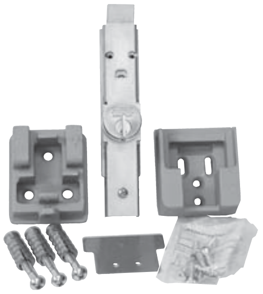
- Model 12-HC-L980 may be supplied for doors UL fire rated up to and including 3 hrs not exceeding 8 ft in width and height
- Meets the following standards: ANSI 250.13, ASTM E330, ASTM 1886, ASTM 1996, TAS 201, TAS 202 & TAS 203
- Designed for use with UL Classified HC8810, HC8800 and 12-HC8800 rim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

Mullion Accessories and Stabilizers

80 Series

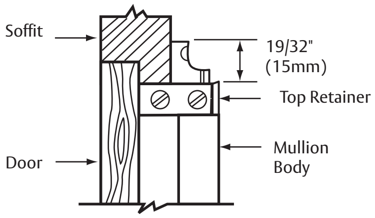
Mullion Accessories

RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion



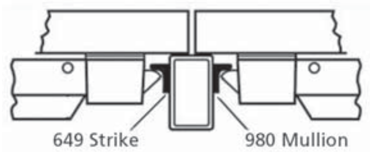
507 Narrow Transom Bars Adapter

- 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

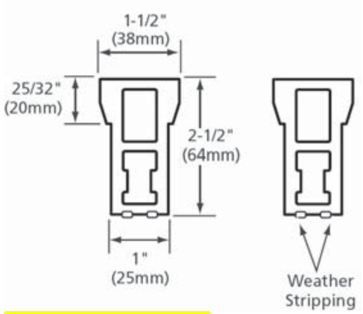
- All steel mullions are 2" x 3"



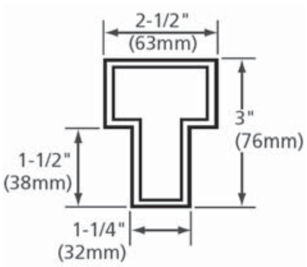
651 Mullion Stabilizer Kit

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

650A Mullion



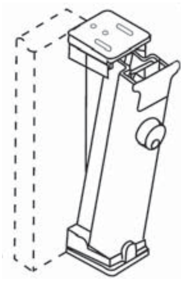
980 Mullion & L980 Lockable Mullion



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

Mechanical Options and Descriptions

80 Series

Mechanical Options:

Categories	How to Specify	Detailed Description
Fire Rated	**12-**	UL Fire Label Exit hardware (not available with 16- & HK-)
SVR Bolt	**14-**	Sliding bolt bottom case for 8700
Cylinder Dogging	**16-**	Cylinder lockdown with # 41 Cylinder & # 97 Ring (not available with 12-, 57, 59-, AL- or BT- Option)
	LD-	Less dogging for non fire rated devices
Less Touch Pad	**19-**	Pushbar without Lexan touchpad (not available TL-)
8900/8300 Strike	**23-**	4-7/8" (124mm) ANSI flat lip strike (for 8900 & 8300 Series Mortise Lock Exit Devices)
Thick Doors	**31-**	Doors over 1-3/4" and/or Panels (Specify door thickness, panel thickness & location as required) Not available for HC8700, FM8700, PP, PR & SP8700, PP, PR & SP8600, LP, LR & LP8700 Extended lip strike supplied for 8300 & 8900 Series
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Flush End cap	**43-**	Flush End Cap (Not available with LP, LR & LS Devices)
Indicator	**49-**	Indicator (Available on 8816 and 8866 functions only)
Electrical Options	**53-**	Latchbolt monitoring switch (not available with 59-, GL-, HC-, WS- or on FM8700, PP/PR/SP8600 & LP/LR/LS8600 Exit Devices)
	54-	Monitors ET Lever movement with Internal micro switch in ET Control
	55-	Request to Exit - Signal Switch in Rail (not available with 59- & FM8700)
	56-	Remote Latch Retraction (not available 57-, 58-, 59-, AL- or BT- Option)
	56-HK-	Remote Latch Retraction with manual Hex Key dogging (not available 12-, 57-, 58-, 59-, AL- or BT- Option)
	57-	Delayed Egress (Electromagnetic Lock required & purchased separately) (not available 16-, 53-, 56-, 56-HK, 58-, 59-, AL, Bc-59 - or BT, GL, TL Prefixes) (NB, 54- are available on request)
	58-	Electric Rail Dogging (Not available 56- & 59-)
	59-	Electroguard® Self Contained Delayed Egress Device (not available with 16-, 53-, 55-, 56-, 57-, 58-, AL-, BT-, GL-, HC- & WS Option Prefixes, PP/PR/SP8600, LP/LR/LS8600 Exit Devices) (NB, 54- are available upon request)
	AL-	Alarmed Exit (Not available 16-, 56-, 57-, 59-, BT-, GL-, HC- & WS-)
	BC-59-	Electroguard® Boca Code (Door Status Switch required) (not available with 16-, 55-, 56-, 57-, 58-, AL-, BT-, GL-, HC- & WS- Options and on NB8700, PP/PR/SP8600 & LP/LR/LS8600 Exit Devices)
	TL-	SARGuide Electro-Luminescent Touchpad (not available 19-, 85-, 87- & PL-)
Tactile Warning Options	**76-**	Tactile Warning - Milled Outside Lever (not available with Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive strip on Push Rail (Not available with PL- & TL-)
	86-	Tactile Warning - Abrasive coating on Outside Lever
	87-	Tactile Warning - Abrasive strip on Push Rail & Abrasive coating on Outside Lever (not available with PL- & TL-)
Finish Protection	**CPC-**	Clear Powder Coat (Available for 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Top Rod Only	**NB-**	Less Bottom Rod & Bolt (for SVR & CVR Devices)
Guarded Latch	**GL-**	Guarded Latch for Rim Exit Devices (not available 53-, 56-, 59-, AL-, HC- & WS-)
SARGuide	**PL-**	SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (not available 85, 87 & TL-)
Through Bolts	**TB-**	Through Bolts for 8300, 8500, 8600, 8700, 8800 & 8900 Devices
Rail Force	**5CH-**	5lb. Pressure Release (8800 only)

SARGENT
ASSA ABLOY

Cylinder Options and Descriptions

80 Series

Cylinder Options:

Conventional Cylinder	-	SARGENT Conventional Cylinders Supplied Standard (Unless Otherwise Specified)
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-65	Degree Level 3 Unassembled/Uncombined Core
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature- LFIC	**10-63-**	SARGENT Signature Large Format Interchangeable Core Cylinder (Removable)
XC- Key System	**11-**	XC Key System (Not available with other Key systems unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-**	Device to accept XC- Permanent Large Format Interchangeable Core, Disposable plastic Core- provided
	11-63-	Device provided with XC- Large Format Interchangeable Core Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Device provided with Keyed construction core to accept XC- Permanent Large Format Interchangeable Core (ordered separately)
XC- Small Format Interchangeable Core	**11-70-7P-**	Device to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Device to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Device provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Device provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
Large Format Interchangeable Core (Removable Core)	**60-**	Device to accept SARGENT Permanent Large Format Interchangeable Core, Disposable plastic Core provided (Permanent Cores ordered separately)
	63-	Device provided with Large Format Interchangeable Core Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Device provided with Keyed construction core to accept Permanent Large Format Interchangeable Core (ordered separately)
Small Format Interchangeable Core	**70-**	Device to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Device to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Device provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Device provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	65-73-7P-	Device provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	73-7P-	Device provided with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	**81-**	Device provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Device provided with SARGENT Keso Security Cylinder
	F1-82-	Device provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Device provided with SARGENT Keso Security Removable Core cylinder
	F1-83-	Device provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Device provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Added Security	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" Cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted (not available with: 8904, 8916, 8944, 8975, 8976, 8866, 8304, 8344, 8375 & 8376)
	SE-	Schlage E keyway cylinder, 0 bitted (not available with: 8904, 8916, 8944, 8975, 8976, 8866, 8304, 8344, 8375 & 8376)
Lever to Accept Schlage	**SF-**	L Lever to accept MEDECO KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (Supplied Less Cylinder, but with tailpiece needed) (Available for 88-KLL & 88-CLL)

Note: For V-10 Cylinders and information, contact ASSA

8800 Rim Exit Device

80 Series

8800 Series

Rim Exit Device

8800 Features

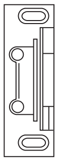
- Designed for standard width stile applications on wood and metal doors
- Also available as an HC8800 or WS8800 for hurricane-resistant applications, see Hurricane-Resistant section of this catalog
- Single point rim latching device
- Single door & double door applications with mullions
- Quiet operation and solid security
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed

Specifications	8800 Series Rim Exit Device
Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2 1/4" thick, specify thickness and order as 31-
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	649 Standard Black Nylon Coated
Optional Strikes	642, 644 and 613
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide Photoluminescent Coated TL- SARGuide Illuminated Touchpad
	49- Indicator 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Latch Bolt	Stainless steel, 3/4" (19mm) throw
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54 mm)
Fire Exit Hardware	See Chart – Page 6

49- Lock/Unlock Indicator Option

- Displays whether the door has been secured by the inside cylinder.
- Red icon indicates locked
- White icon indicates unlocked
- Dogging overrides 49- functionality (must order less dogging)
- Available on 8816 and 8866 functions only

649 Strike



- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated

688 Trim Retrofit Kit

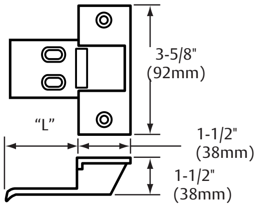
- 688 Trim Retrofit kit allows an 8800* Series rim exit with an ET to replace Von Duprin's 98/99 Series exit with trim with minimal door prep.

* Except for 16 function

- Order as: 688 Kit

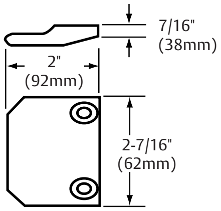
Alternate Strikes For 8800 Rim Devices

642 Strike



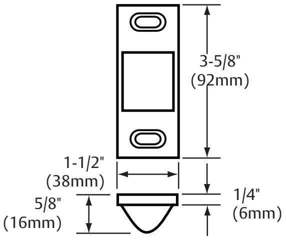
- Mortised. Dimension "L" equals door thickness plus 1/2" (13mm). Black nylon coated on lip only

644 Strike



- Surface applied. For use on pairs of doors without mullion. Ductile Iron. Black nylon coated

613 Strike



- Half mortised.
  Black nylon coated

8800 Functions and Trims

80 Series

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
F1-83-56	88	13	F	ETL	RHR	26D	32D	36"

700 Series ET Trim

Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

8800 Series: 704, 706-8, 710, 713-8, 715-8, 716, 740, 743-8, 744, 746-8, 773-8, 774-8, 775-8 & 776-8

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73, 74, 75 and 76. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 1 8800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	8804 x ET_
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8806 x ET_
10	01	No outside operation (No Cylinder)	8810
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	8810 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8813 x ET_
15	14	Passage Only (No cylinder)	8815 x ET_
16	10	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 Cylinder & I/S #44 Cylinder Supplied	8816 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	8840 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8843 x ET_
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	8844 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8846 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)	8873 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)	8874 x ET_
75		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #34 Cylinder Supplied	8875 x ET_
76		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied	8876 x ET_

Note: 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

Pull & Thumbpiece Trim Section

Trim Designations

- Use three letter designations (Ex "PTB") when ordering the Exit Device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish

Series

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)							8800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STS	862 Pull	8804 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	862 Pull	8810 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	N/A	8828 x Trim Designation
63	05	Key Outside Unlocks/ Locks Thumbpiece #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	N/A	8863 x Trim Designation
66	07	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 & I/S #44	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	N/A	8866 x Trim Designation

* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls except for cylinder hole located 3/8" (9mm) lower.
Note: Thumbpiece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately.
Note: FLW & FSW trims are not available in 32(629) or 32D(630).
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D.

Options

8800

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
57-
58-
59-
5CH-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
GL-
LD-
PL-
** SG-
TB-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
*SC-
*SE-

* Options are not available with 8816
** Only available with 15, 26D and 32D finishes

Available Finishes

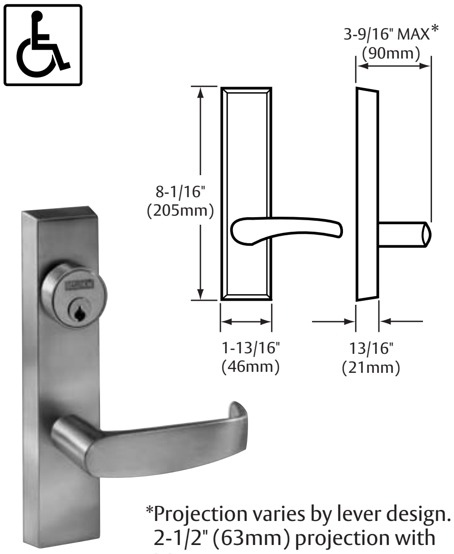
SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	614
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

ET Trim, Levers and Pulls

80 Series

ET Lever Controls

♿

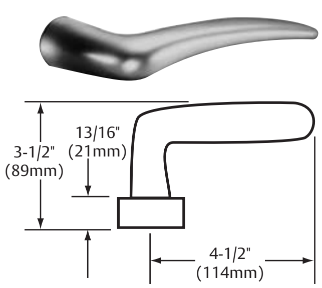

3-9/16" MAX*
(90mm)
8-1/16"
(205mm)
1-13/16"
(46mm)
13/16"
(21mm)

*Projection varies by lever design. 2-1/2" (63mm) projection with L Lever

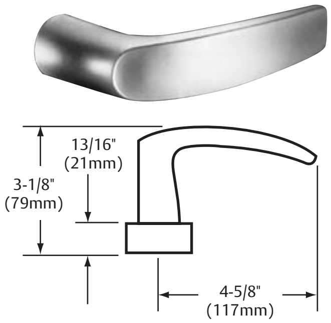
Note: ET suffixes required when ordering ET trim without an exit device, see page 74 for complete details

A Lever

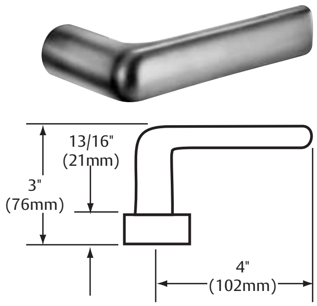
- Handed


13/16"
(21mm)
3-1/2"
(89mm)
4-1/2"
(114mm)

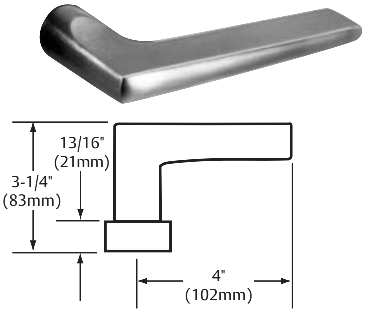
B Lever


13/16"
(21mm)
3-1/8"
(79mm)
4-5/8"
(117mm)

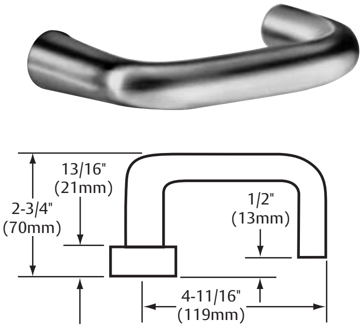
E Lever


13/16"
(21mm)
3"
(76mm)
4"
(102mm)

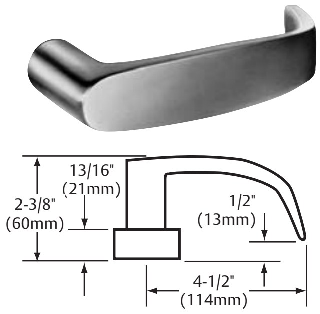
F Lever


13/16"
(21mm)
3-1/4"
(83mm)
4"
(102mm)

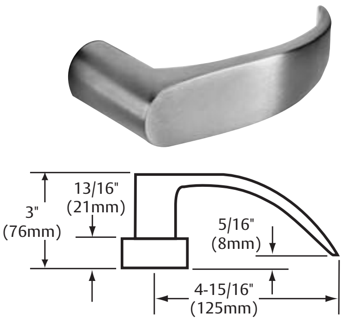
J Lever*


13/16"
(21mm)
2-3/4"
(70mm)
1/2"
(13mm)
4-11/16"
(119mm)

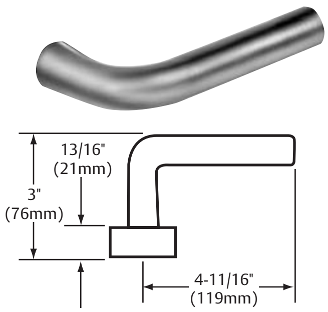
L Lever*


13/16"
(21mm)
2-3/8"
(60mm)
1/2"
(13mm)
4-1/2"
(114mm)

P Lever*


13/16"
(21mm)
3"
(76mm)
5/16"
(8mm)
4-15/16"
(125mm)

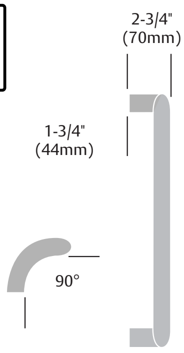
W Lever


13/16"
(21mm)
3"
(76mm)
4-11/16"
(119mm)

* Lever returns within 1/2" (13mm) of door face

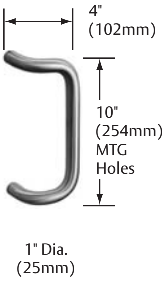
Pulls

♿

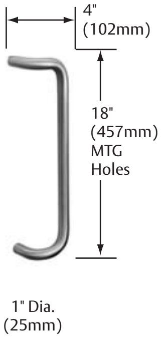

2-3/4"
(70mm)
1-3/4"
(44mm)
90°

SIDE PROFILE

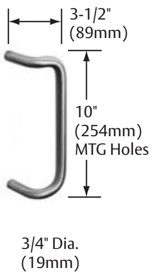
862


4"
(102mm)
10"
(254mm)
MTG
Holes
1" Dia.
(25mm)

863


4"
(102mm)
18"
(457mm)
MTG
Holes
1" Dia.
(25mm)

864


3-1/2"
(89mm)
10"
(254mm)
MTG Holes
3/4" Dia.
(19mm)

Alarm Option (AL-)
Request-to-Exit Option (55-)

80 Series

SARGENT
ASSA ABLOY

AL- Alarm Option

SARGENT's AL-80 Series Exit Devices are designed for areas requiring a stand-alone alarm on outward swinging doors. This device has an integrated alarm in the push rail to discourage the unauthorized use of emergency exit doors. The alarm inside the rail sounds immediately upon exit. The AL-80 Series is ideal for rear exterior doors, doors leading to a rooftop, or anywhere security is a concern.

Features

- Microprocessor based alarm board
- When armed, alarm sounds immediately upon rail depression
- All exit devices have tamper resistant latching (Guarded Latch)
- Battery powered – 9VDC
- 103 Db @ 8 ft pulsating horn
- Flashing red LED provides visible violation indication, reset by key only
- Low battery alert
- Field selectable continuous alarm option-3267 Power Supply and 546 Harness recommended
- Automatic re-arming option
- Supplied with a #41 (1-1/8") with standard off set cam
- UL Listed and cUL Listed
- UL Listed to Canadian Safety Standards
- Rail Monitoring & Guarded Latch are standard internal features
- Available with all 80 Devices, except LP, LR, LS8600, FM8700,WS & HC8800 Devices
- Minimum Door Widths:
  - Wide Stile Door : E-n/a; F-36" only; J-42"-39"; G-48"-43"
  - Narrow Stile Door: E-32" only; f-36"-34"; J-42"-37"; G-48"-43"
- See page 75 for compatible options
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements (if hard wired)
- Order as an AL- option (e.g., AL-8916F x ETJ x 32D x 36" Door)

545 Alarm Retrofit Kits

Alarm retrofit kits available for the following 80 Series devices - 8300, MD8600, WD8600, GL-8800, and 8900 only. (GL-8800: Rim device with guarded latch)

Kit #	Device Style	Pivot to Pivot	Rail Size
545-1	Wide	11-1/4"	F
545-2	Narrow	11-1/4"	F
		8-1/2"	E
545-3	Wide	20-1/2"	G
545-4	Narrow	20-1/2"	G
545-6	Narrow	14"	J
545-7	Wide	14"	J

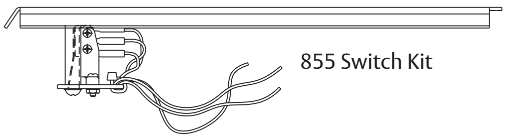
546 Wiring Harness

Harness allows for remote control of the alarmed exit device

- Remote Alarm Reset–reset from remote location
- External Inhibit – shunts alarm from remote location
- Remote Power – allows unit to be wired to a 9VDC power supply (3267)
- Remote Monitor – allows unit to be wired to remote console
- Order as:
  - 546 - Wiring Harness (For AL- option) - Mfg. prior to 7/1/04
  - 546-F - Wiring Harness for F-Size Rails - Mfg. after 7/1/04
  - 546-G - Wiring Harness for G-Size Rails - Mfg. after 7/1/04
  - 546-J - Wiring Harness for J-Size Rails - Mfg. after 7/1/04

55- Request-to-Exit Option

SARGENT Request-to-Exit Signal Switch Exit Devices provides push rail monitoring for a variety of applications; such as to sound an alarm, initialize a delayed egress system, or de-energize an electromagnetic lock.



Switch type SPDT form "C" contacts

- 30 VDC@2 Amp. maximum rating
- All wires run through rail
- Available with all 80 & P800 Devices, except for FM8700
- See page 75 for compatible options
- Minimum Door Widths:
  - Wide Stile Door 36"
  - Narrow Stile Door 32"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 55- option (e.g., 55-8913F x ETMA x 32D x 36")

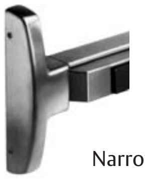
855 Kit #	Device Stile	Rail Size Pivot to Pivot	Rail Size
855-1	Wide	11-1/4"	F
855-2	Narrow	11-1/4"	F
		8-1/2"	E
855-3	Wide	20-1/2"	G
	*8895	8-1/2"	E
855-4	Narrow	20-1/2"	G
	*8895	11-1/4"	F
855-5	Wide	8-1/2"	E
855-6	Narrow	14"	J
855-7	Wide	14"	J
855-8	*8895	14"	J
	*8895	20-1/2"	G

*8895 is an active dummy rail (See page 72)

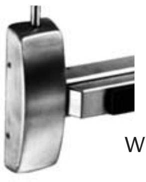
Note: The 855 Kits can not be used with a pre-existing 56- Rail

Note: If rail size is not standard, the 855 insert will have to be cut during installation

Device Stile

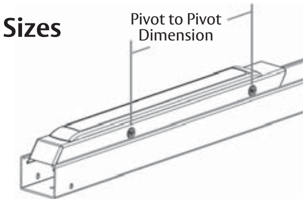


Narrow Stile



Wide Stile

Rail Sizes



Rail Size is determined by the Pivot to Pivot Dimensions

Pivot to Pivot Dimension

8-1/2" = "E" Rail
11-1/4" = "F" Rail
14" = "J" Rail
20-1/2" = "G" Rail

ACCENTRA
ASSA ABLOY

Experience a safer
and more open world

7000 SERIES

Architectural Exit Devices

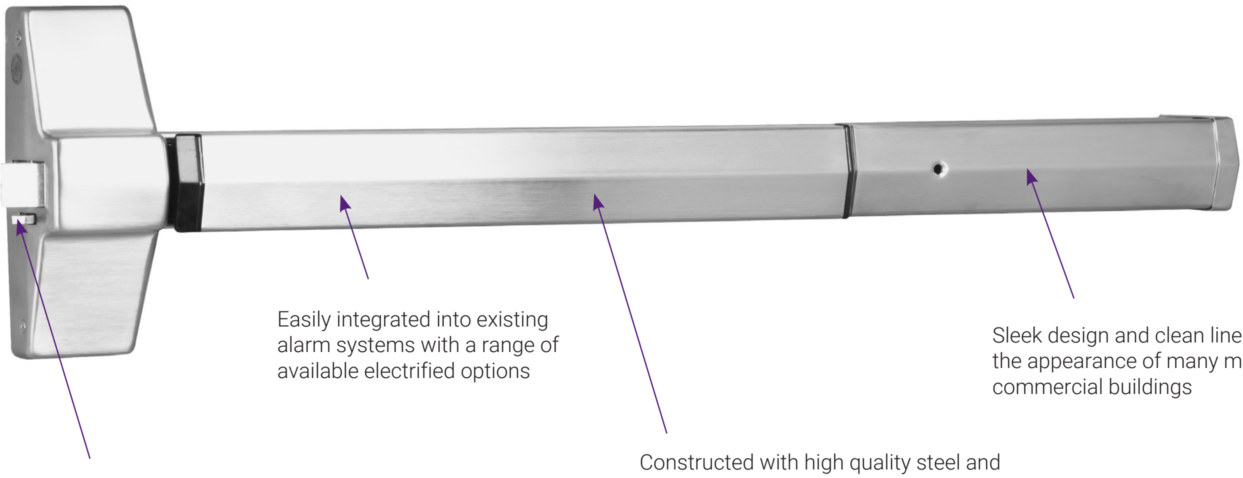
BENEFITS & FEATURES

Benefits

- **Innovative:** Featuring security options including SquareBolt® latchbolt and delayed egress function
- **Durable:** Heavy-duty steel components are ANSI/BHMA Grade 1 certified for the ultimate in strength and security
- **Flexibility:** Various options available to customize this exit device to suit any opening
- **Clean, modern look:** Sleek design with a variety of attractive finish options to suit any decor

Features

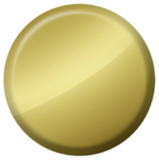
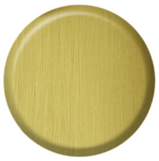
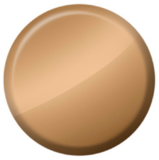
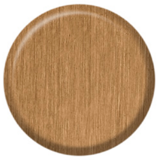
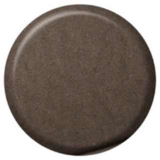
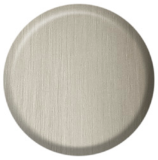
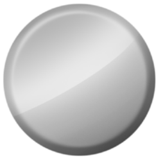
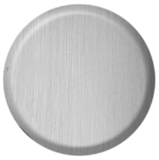
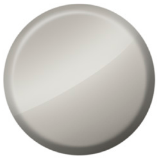
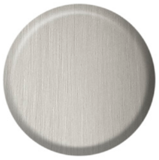
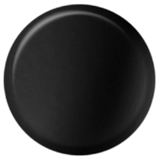
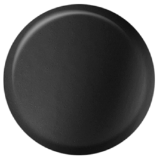
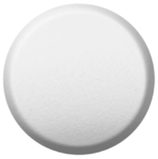
- High quality steel chassis and heavy-duty components
- Full range of mechanical and electromechanical options to suit any life safety application and pair with existing security systems
- ANSI/BHMA Grade 1 certified
- UL/cUL listed for panic and fire doors
- Windstorm certified (refer to local codes) Hurricane
- Five year mechanical warranty, two year warranty on electrical options and components


Easily integrated into existing alarm systems with a range of available electrified options
Sleek design and clean lines suit the appearance of many modern commercial buildings
Constructed with high quality steel and heavy-duty components for durability
Available with various configurations including rim, SquareBolt®, surface/concealed vertical rod, to suit any opening

Available with Motorized Electric Latch Retraction!

The Motorized Electric Latch Retraction (MELR) feature provides remote-controlled latch retraction that delivers quiet, smooth operation for convenient, hassle-free egress. Easily installed in new applications and available as retrofit rail kit assemblies for field updates, the MELR features maintenance-free design with few moving parts using 86% less power consumption during retraction than solenoid devices. Plus, MELR is powered by a standard power supply, simplifying installation and increasing system design flexibility. See page 32 for more details.

FINISHES

ANSI/BHMA Code Finish Description				
605 Bright Brass, Clear Coated	606 Satin Brass, Clear Coated	611 Bright Bronze, Clear Coated	612 Satin Bronze, Clear Coated	613E Dark Oxidized Satin Bronze - equivalent
				
619* Satin Nickel Plated, Clear Coated	625 Bright Chrome Plated (540F trim only)	626* Satin Chrome Plated (Trim only)	629 Bright Stainless Steel	630* Satin Stainless Steel
				
693 Black Painted	BSP Black Suede Powder Coat	WSP White Suede Powder Coat		
				

613, 626 and 722 finishes available as Special Product Requests only. Please contact Customer Service for more information.

*Finish available with MicroShield® antimicrobial coating, additional finishes by special application. Consult factory for availability.

MicroShield coating may vary finish color from architectural standards. MicroShield is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY ACCENTRA™ makes no representations or warranties, express or implied, as to the efficacy of MicroShield.

Finishes For Touchbar Covers Only

ANSI/BHMA Code	Finish Description
BN	Semi-gloss black fused polymer
LUM	Lumi-lite Photoluminescence
SS	Stainless Steel

Lumi-Lite

Lumi-lite uses photoluminescence technology to provide visibility of exit doors in low-light, no light or smoky conditions. Lumi-lite can be ordered with your 7000 Series Exit Device or easily retrofitted to existing devices. See Lumi-lite Touchpad Cover on page 57 for more information.

HOW TO ORDER

From this outline select the Model Number for the ACCENTRA 7000 Exit Device Series you require.

7	X	X	X	Mechanical/Electrical	Size	Design	Trim	Finish	Other Info.
	Second Digit: “1” - Standard device, 4-1/2" (114mm) or wider door stile. “2” - Narrow stile door or narrow escutcheon trim (500F, 510F Series)	**Third Digit:** “0” - Rim Device, Pullman Latch "1" - SVR Device up to 8' "2" - CVR Device, Metal Doors up to 8' “3” - Mortise Device “5” - SquareBolt®, Rim Security “6” - CVR Device over 8', wood door or LBR “7” - SVR Device over 8' or LBR	**Fourth Digit:** “0” - Standard “5” - Cylinder Dogging (Not with suffix “F”)	**Mechanical Feature** “F” - Fire Exit Device “M” - Narrow escutcheon trim in 4-1/2" (114mm) or wider door stile “LBR”- Less Bottom Rod[2] “L5” - Mortise Device, Entry by Key with/without Rigid Lever[1] “L8” - Mortise Device, Entry by Lever “T5” - Mortise Device with Thumbpiece Trim “T8” - Mortise Device, Active Thumbpiece Trim “2” - Double Cylinder Device[3] “WS” - Windstorm Certified Products[5, 6, 7] 5CH - 5LB pressure release[8] **Electrical Feature** “-A” - Alarm Kit “-B” - Bar Monitor or Signaling “-D” - Delayed Egress “-O” - Outside Trim Monitor or Signaling “-MELR” - Motorized Electric Latch Retraction “-S” - Latchbolt Status Monitor or Signaling “-Safe” - Mortise Device Trim Control (lever only) “-Secure” - Mortise Device Trim Control (lever only)		**Trim Design** (Lever only)	**Trim Model Number**	**See page 5**	**Other Information: Door Hand** - RHR or LHR **Door Thickness** - Over 1-3/4" (45mm) **Fastener Options** - TORX® Security Screws SNB (wood, composite, or unreinforced metal doors) **Specialty Cylinders & Components** **Lumi-lite:** LUM

Ordering Examples

Exit Device Only
7150D-36 x 619 x RHR x SNB

Exit Device with Trim and Cylinder
7170F90-9-48 x AU626F x 605 x LHR x 1109 GA 0-bit

Trim Only
MO656F x 630 x RHR x LC

Double Cylinder Exit Device with Trim
7150F-2-36 x AU626F x 630

It is recommended that exit devices and trim for the same opening be ordered together. Standard product is for 1-3/4" (44mm) reinforced metal doors. Accessories detached from the device and trim should be specified separately. Materials by others are required to be fit for the purpose as detailed in this catalog and the product installation literature.

Notes:
1. Required for electrical feature, Suffix “-SAFE” or “-SECURE”.
2. LBR available on 7160(F90) and 7170(F90) devices only.
3. For double cylinder devices, suffix “-2” after fourth digit.
4. If “-24” device is to be used with a DOW greater than 24", the device will ship without UL label. The 12" touchpad will not cover 50% of the device touchbar length.
5. “WS” applies only to 7150(F), 7250M(F) and 7170(F) devices.
6. Maximum opening size 8'0" x 8'0".
7. Contact Ceco, Curries® or Fleming for detailed frame/door requirements and limitations.
8. 5CH applies only to 7100 devices.

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7100(F) RIM

The 7100(F) is a rim exit device to be used with single doors or pairs of doors constructed of metal, wood or composite materials. Designed for application in high-use areas, the 7100(F) comes in a variety of finishes and can be combined with a variety of trims to match any desired style.

Features

- Designed for wide stile doors
- 3/4" throw deadlocking stainless steel pullman latchbolt
- Electroplated ferrous components provide corrosion resistance
- Available in double cylinder function (handing must be specified)

Applications

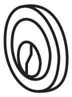
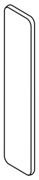
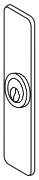
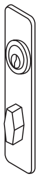
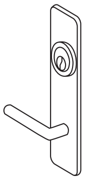
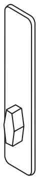
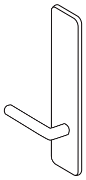
- Non-handed for easy installation
- Single swing doors
- Pairs of doors with removable mullions
- Metal, wood or composite door materials

Specifications

Door Opening Width	-24 for 24" (60cm) doors -36 for 30" - 36" (76cm - 91cm) doors -48 for 36" - 48" (91cm - 122cm) doors Optional sizes can be special ordered. Consult Technical Product Support.
Door Thickness	1-3/4" (44mm) standard. Optional door thicknesses available to 4-1/2"; specify door thickness when ordering.
Minimum Stile Width	4-1/2" (114mm)
Projection	3-1/4" (83mm) active, 2-3/4" (70mm) dogged
Latchbolt	3/4" (19mm) deadlocking stainless steel pullman-type
Strike	757F, 793 optional (double door application, panic only)
Fasteners	Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.
Trims	620F series escutcheon trim, 630F series pull/thumbpiece trim, 680F series offset pull trim, 540F series rose trim, 121NL cylinder only. See pages 22-24.
ANSI/BHMA	Certified A156.3 Type 1, Grade 1
UL/cUL	FVSR/FVSR - Panic hardware; GXHX/GXHX7 - Fire exit hardware (F) (4' x 8' single, 8' x 8' pairs, 3 hr.)
Dogging	Hex key dogging supplied standard on panic devices
Options	Cylinder dogging, shim kit #723, sex nuts and bolts, MicroShield®, Lumi-lite
Warranty	5-year limited

500F Series Escutcheon Trim

- Certified ANSI/BHMA A156.3, Grade 1.
- Trim thrubolts to exit device for strength.
- 1-3/4" (44mm) door standard. For doors through 2-1/4" (57mm) or shim-mounted devices, specify on order.
- Dimensions:1-5/8" x 9-1/2" x 1/4" (41mm x 241mm x 6mm)
- Cylinders not included. See page 49 for cylinder options.
- Available with AR, AU, CR, JN, MO, PB, PN, VI and HA lever designs. See page 22.
  - Finishes: 605, 606, 611, 612, 613E, 619, 626, 629, 630, 693, BSP, WSP
- Available with Reflections® lever designs. See page 23.
  - Finishes: 605, 606, 611, 612, 613E, 619, 626, 629, 630, BSP, WSP
- Trim ordering example: AU506F x 626 x RHR.
- 1-year limited warranty.

					♿ 		♿ 	
Applications	**Nightlatch Access by Key**	**Exit Only Blank Plate**	**Nightlatch Access by Key**	**Classroom/ Storeroom Cylinder Controls Thumbturn**	**Classroom/ Storeroom Cylinder Controls Lever**	**Passage**	**Passage or Dummy**	**Dummy Trim**
7200, 7210, 7220, 7250, 7200M(F), 7210M(F), 7220M(F), 7250M(F)	121NL[2]	500F	501F[2]	503F[1]	506F[1]	507F	508F[1]	509F
ANSI	03	01	03	11/12	08/09	16	14/02	02

[1] 09, 12 and Free-Wheeling 02 achieved with simple trim modification at installation.
[2] Not recommended for use with vertical rod devices.
For 629 & 630 finishes the standard levers are plated to simulate stainless steel.

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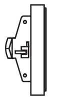
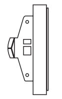
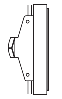
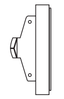
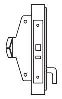
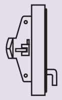
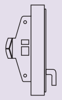
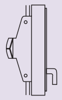
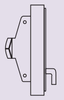
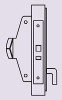
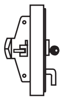
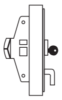
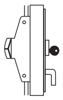
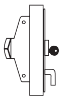
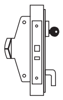
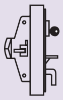
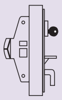
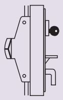
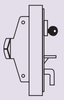
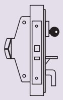
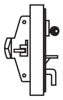
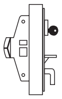
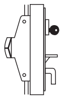
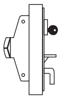
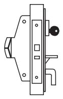
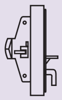
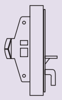
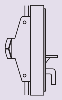
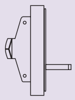
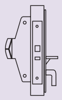
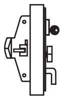
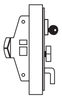
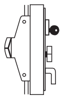
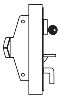
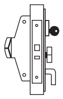
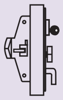
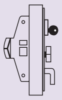
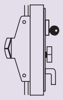
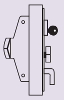
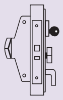
FUNCTIONS

SquareBolt® 7150(F) 7250 7250M(F) Inside Outside	Rim 7100(F) 7200 7200M(F) Inside Outside	Surface Vertical Rod 7110(F) 7170(F) 7210 7210M(F) Inside Outside	Concealed Vertical Rod 7120(F) 7160(F) 7220 7220M(F) Inside Outside	Mortise 7130(F) Inside Outside	Type	ANSI Function No.	Function Description
					Exit Only/ Blank Plate	01 –	Exit only, no trim. Exit only, blank plate.
					Dummy/ Pull Plate	02	Entrance by trim when actuating bar is locked down.
					Nightlatch	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked.
					Classroom	05	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
					Storeroom	06	Entrance by thumbpiece only when released by key. Key removable only when locked.
					Passage	15	Entrance by trim when latch is released by thumbpiece. Thumbpiece is always active, no cylinder.
					Classroom	11	Entrance by control turn piece. Key locks or unlocks control.
					Storeroom	12	Entrance by control turn piece only when released by turning key. Key removable only when locked.

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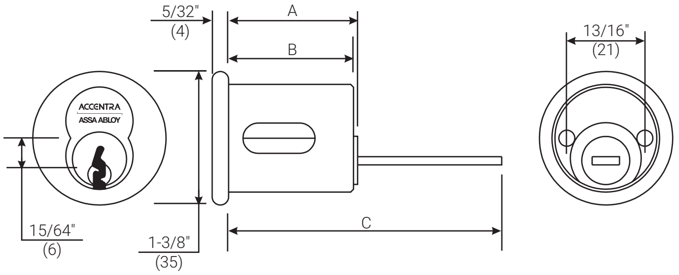
Large Format Interchangeable Core (LFIC) For Current Products

Includes standard, hotel, security and high security large format interchangeable core for rim lock and exit device trim applications. When ordering interchangeable core cylinders or cores only, control keys are not furnished. If control keys are required, they must be specified.

Model Numbers			Description	No. of Active Pins	Dim A	Dim B	Dim C Tailpiece Model Numbers	
Complete Cylinder	Core Only	Housing Only					#1145	#1147
1193	1210	1212	Standard cylinder	6	1-7/16" (37)	1-3/8" (27)	2-15/16" (75)	3-3/4" (95)
1193	1220	1212B	Standard cylinder	7	1-5/8" (41)	1-9/16" (40)	3-1/8" (79)	4-5/16" (110)
5193	5210	1212	Security cylinder	6	1-7/16" (37)	1-3/8" (35)	2-15/16" (75)	3-3/4" (95)
5193	5220	1212B	Security cylinder	7	1-5/8" (41)	1-9/16" (40)	3-1/8" (79)	4-5/16" (110)



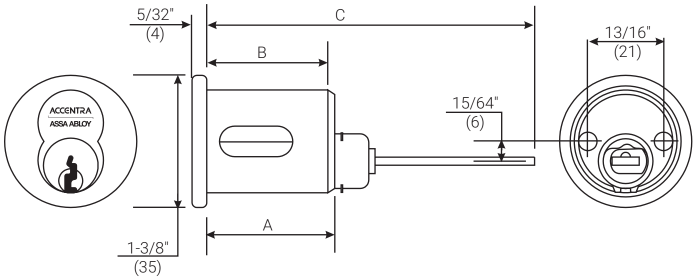
Large Format Interchangeable Core (LFIC) With Lazy Cam Operation

Model Numbers			Description	No. of Active Pins	Dim A	Dim B	Dim C
Complete Cylinder	Core Only	Housing Only					
1193L	1210	*	Standard cylinder with lazy cam operation	6	1-3/4" (44)	1-3/8" (35)	3-1/2" (89)

*Uses 1212 housing with lazy cam. Specify by part number 10-1193-0044 x Finish

Cylinder Finish	Shell/Plug Finish
605, 606, 611, 612, 613E	606
618, 619, 625, 626, 629, 630, WSP	626
BSP	BSP

LFIC Rim housings supplied in finish specified

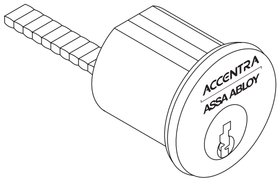


Dimensions are shown in inches (millimeters)

CYLINDERS

Rim

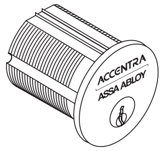
The following chart details rim cylinders for use with 480F, 500F, 510F, 620F, 680F, 630F, 121NL trims and outside of SDA16 door alarm:

				Collar Requirements*				
Model #	**Description**	**Pins**	**Length**	**480F/500F/ 510F**	**620F/680F**	**630F**	**121NL**	**SDA16 Outside**
1109	Standard Fixed Core	6	1-1/4"	599.419	No Collar	No Collar	1765.250	1765.250
1109	Standard Fixed Core	7	1-7/16"			KP4		
1709	CMK	6	1-15/16"	599.544	1765.250	1765.250		
1709	CMK	7	1-5/8"	599.700		1765.406		
1193	LFIC Complete	6	1-7/16"	599.544		1765.250		
1193	LFIC Complete	7	1-5/8"	599.700	1765.344	1765.406		
5109	Security Fixed Core	6	1-9/16"	599.419	No Collar	1765.250		
5109	Security Fixed Core	7	1-7/16"					
U5109	High Security Fixed Core	6	1"	NA		No Collar	No Collar	No Collar
U5109	High Security Fixed Core	7	1"					
5193	Security LFIC Complete	6	1-7/16"	599.544	1765.250	1765.250	1765.250	1765.250
5193	Security LFIC Complete	7	1-5/8"	599.700	1765.344	1765.406		
K300	ACCENTRA KeyMark® Standard Fixed Core	6	1-1/8"	599.544	KP4	1765.250		
K300	ACCENTRA KeyMark Standard Fixed Core	7						
K840/ K880	ACCENTRA KeyMark LFIC Complete / Housing Only	6	1-7/16"	599.700	1765.406	1765.500		
K840/ K880	ACCENTRA KeyMark LFIC Complete / Housing Only	7	1-5/8"	NA	1765.563	1765.719		
K640/ K680	ACCENTRA KeyMark SFIC Complete / Housing Only	6	1-1/4"	599.544	KP4	1765.250		
K640/ K680	ACCENTRA KeyMark SFIC Complete / Housing Only	6 or 7	1-3/8"	599.700	1765.187	1765.406		
A640/ K680	Best® Keyway SFIC Complete / Housing Only	6	1-1/4"	599.544	KP4	1765.250		
A640/ K680	Best® Keyway SFIC Complete / Housing Only	6 or 7	1-3/8"	599.700	1765.187	1765.406		
2109	Schlage® "C" Keyway Fixed Core Available 0-bitted or keyed random.	6	1-1/8"	599.419	No Collar	No Collar		

*Based on 1-3/4" door thickness. Collar length required must be specified for cylinders and/or housings ordered separately.
LFIC = Large Format Interchangeable Core
SFIC = Small Format Interchangeable Core
NA = Application Not Available

Mortise

The following chart details mortise cylinders for use with 350F, 650F, 660F, 670F trims, cylinder dogging, delayed egress, and 7116 alarms:

				**350F/650F**		**660F/670F**		**Cylinder Dogging/ DEED/7116**	
Model #	**Description**	**Pins**	**Length**	**Cam**	**Collar**	**Cam**	**Collar**	**Cam**	**Collar**
2153	Standard Fixed Core	6	1-1/8	2160	NA	2160	NA	2160	No Collar
		6	1-3/4		No Collar		KP4		NA
		7	1-1/4		NA		NA		1765.156
		7	1-3/4		No Collar		KP4		NA
2196	LFIC Complete	6	1-1/2		NA		NA		1765.406
		6	1-3/4		No Collar		KP4		NA
2197	LFIC Complete	7	1-11/16		KP4		1765.250		1765.594
5153	Security Fixed Core	6	1-1/8		NA		NA		No Collar
		7	1-1/4		NA		NA		1765.156
U5153	High Security Fixed Core	6	1-1/8		NA		NA		NA
		7	1-1/4						
5196	Security LFIC Complete	6	1-1/2		NA		NA		1765.406
		6	1-3/4		No Collar		KP4		NA
5197	Security LFIC Complete	7	1-11/16		KP4		1765.250		1765.594
K100	ACCENTRA KeyMark® Standard Fixed Core	6 or 7	1-1/8	KC1	NA	KC1	NA	KC1	No Collar
			1-3/4		No Collar		KP4		NA
			1-3/4	Riveted	KP4	Riveted	1765.375	NA	
K820/K860	ACCENTRA KeyMark LFIC Complete/Housing Only	6 or 7	1-3/4	KC1	No Collar	KC1	KP4	KC1	1765.406
		7	1-11/16		KP4		1765.375		1765.594
K620/K660	ACCENTRA KeyMark SFIC Complete/Housing Only	6	1-1/4		NA		NA		1765.156
		6 or 7	1-3/8				No Collar		1765.281
		6	1-3/4	Riveted	KP4	Riveted	1765.375	NA	NA
A620/K660	Best Keyway SFIC Complete/ Housing Only	6	1-1/4	KC1	NA	KC1	NA	KC1	1765.156
		6 or 7	1-3/8				No Collar		1765.281
		6	1-3/4	Riveted	KP4	Riveted	1765.375	NA	NA
2553	Schlage® "C" Keyway Fixed Core. Available 0-bitted or keyed random.	6	1-1/8	2160	NA	2160	NA	2160	No Collar

NA = Application Not Available

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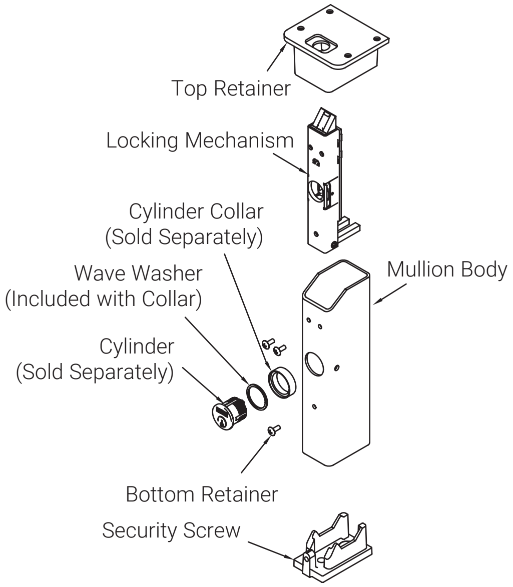
MULLIONS

KRM200(F) Keyed Removable Mullion (KRM)

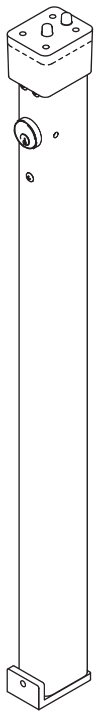
Keyed removable mullions are for use with 7100(F) series exit devices. They are designed for simple removing when an unobstructed large opening is required and easy replacement and locking to maintain the integrity of the opening.

- Easy cylinder installation.
- Mullion automatically relocks when reinstalled without the use of the cylinder key.
- When ordering, add KR prefix to mullion, example: KRM200 and KRM200F.
- KRM200 panic rated. Specify 7'2".
- KRM200F 1-1/2 hour fire rated. Specify 7'2" or 10'[1] (Fire rated up to 8')
- KRM200FWS 3 hour fire rated.
  Certified hurricane resistant (refer to local codes). Specify 7'2" or 8'. Hurricane

Notes:
1. For 8' length Mullion must be order as KRM200F option and cut in the field to 8' size.



KRM200(F)



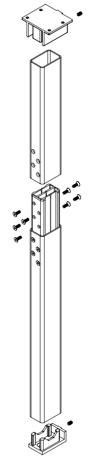
KRM200FWS

Split Mullion

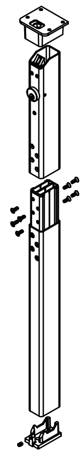
Hassle-free transportation with a 30% smaller packaging size. Mullions may be field cut to fit opening. Gray painted finish. Available only in 8'. When ordering add suffix SM, example M200SM and KRM200SM

M200SM Standard
- Panic rated. Specify 8'
- Tubular steel, 2" x 3" (51mm x 76mm).

KRM200SM Key Removable Split Mullion
- Easy cylinder installation.
- Panic rated. Specify 8'
- Tubular steel, 2" x 3" (51mm x 76mm).



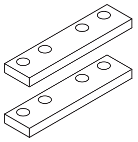
M200SM



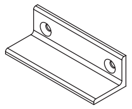
KRM200SM

M200(F), SM and KRM Options

- **M203 Spacer Block**
  Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing or for applications with 5-3/4" (146mm) or less door frames.



- **M204 Angle Bracket**
  Recommended for any header configuration with less than 3" (76mm) of mounting surface.



KRM Cylinders

As with any exit device trim, you must order a cylinder and collar if one is required. The ACCENTRA keyed removable mullion accepts a mortise cylinder. Refer to page 52 for details.

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, mechanical and smart locks, access control and service.

TECHNICAL SUPPORT
(troubleshooting, product use and application, returns)
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Email: techsupport.accentra@assaabloy.com

CUSTOMER SUPPORT
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www.accentra-assaabloy.com

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160 Four Valley Drive
Vaughan, Ontario L4K 4T9
Tel: 1-800-461-3007
Fax: 1-800-461-8989
assaabloydss.ca

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ASSA ABLOY Americas International
Tel: 1-905-821-7775
Fax: 1-905-821-1429
assaabloyai.com

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ROCKWOOD

ASSA ABLOY

Experience a safer and more open world

ROCKWOOD
CATALOG – ACCESSORIES

Push Plates – .050" Thick

Material: Aluminum, brass, bronze, stainless steel

Finishes: Available in standard architectural finishes, US32D**MS**, US32D**316**, US32**316**, and US3**LIFETIME** (see page 9)

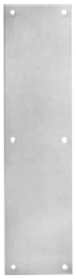
Fastener: #6 x 5/8" OH SMS

Features: Four beveled edges

Ordering: Specify plate number followed by size designation and finish (70B US32D) or for non-standard size 70
Specify width x height and finish. Specify any additional options

Options:

- Custom sizes available upon request
- TEK – self-drilling screws
- TORX – security Torx screws
- SA – self-adhesive mounting: 1/16" double face foam tape (no screw holes on plate)
- Engraving on plates 4" wide or wider. Specify copy. See page B1 for standard engraving locations
- Cylinder cutouts (CFC) and turn knob cutouts (CFTT). See page B1 for standard locations and sizes
- Heavy bevel available on 70A to 70G, specify HVBEV



No. 70

No.	Standard Size	Weight	ANSI A156.6
70A	3" x 12"	0.7 lbs.	J301
70B	3 1/2" x 15"	0.9 lbs.	J301
70C	4" x 16"	1.0 lbs.	J301
70E	6" x 16"	1.5 lbs.	J301
70F	8" x 16"	2.0 lbs.	J301
70G	4" x 20"	1.3 lbs.	J301

No. 70RC

No.	Standard Size	Weight	ANSI A156.6
70RCA	3" x 12"	0.7 lbs.	J301
70RCB	3 1/2" x 15"	0.9 lbs.	J301
70RCC	4" x 16"	1.0 lbs.	J301
70RCE	6" x 16"	1.5 lbs.	J301
70RCF	8" x 16"	2.0 lbs.	J301
70RCG	4" x 20"	1.3 lbs.	J301

No. 70RE

No.	Standard Size	Weight	ANSI A156.6
70REA	3" x 12"	0.7 lbs.	J301
70REB	3 1/2" x 15"	0.9 lbs.	J301
70REC	4" x 16"	1.0 lbs.	J301

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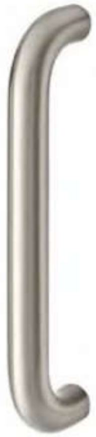
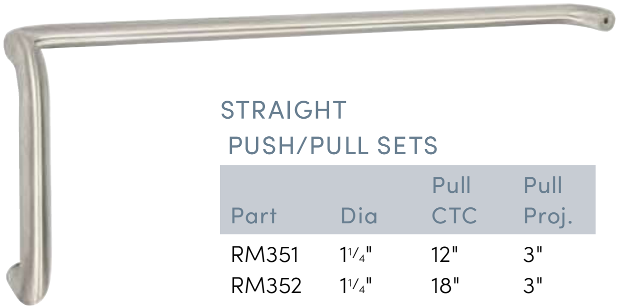
Tubular

Rugged beauty describes these functional tubular pulls.



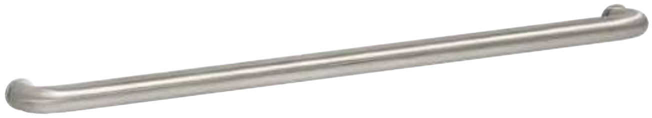
STRAIGHT PULLS - BENT ENDS

Part	Dia	CTC	Proj.
RM301	1¼"	12"	3"
RM302	1¼"	18"	3"
RM303	1¼"	24"	3"
RM304	1¼"	36"	3"
RM321	1½"	12"	3½"
RM322	1½"	18"	3½"
RM323	1½"	24"	3½"
RM324	1½"	36"	3½"



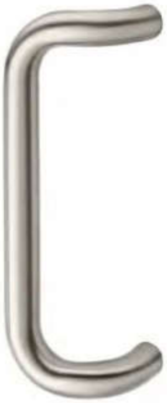
STRAIGHT PUSH/PULL SETS

Part	Dia	Pull CTC	Pull Proj.
RM351	1¼"	12"	3"
RM352	1¼"	18"	3"
RM371	1½"	12"	3½"
RM372	1½"	18"	3½"



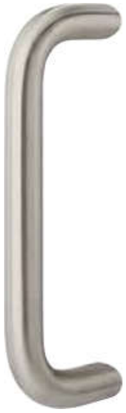
PUSH BARS

Part	Dia	Proj.
RM350	1¼"	3"
RM370	1½"	3½"



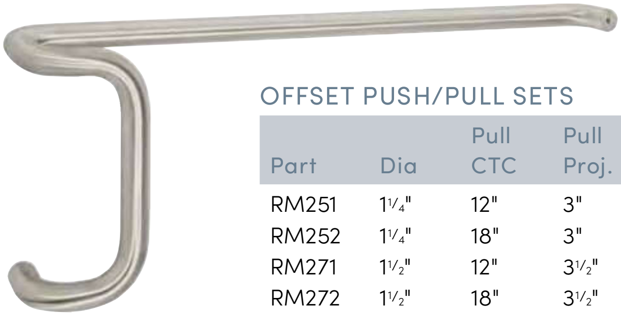
90° OFFSET PULLS - BENT ENDS

Part	Dia	CTC	Proj.
RM201	1¼"	12"	3"
RM202	1¼"	18"	3"
RM203	1¼"	24"	3"
RM204	1¼"	36"	3"
RM221	1½"	12"	3½"
RM222	1½"	18"	3½"
RM223	1½"	24"	3½"
RM224	1½"	36"	3½"



HEAVY DUTY 30° OFFSET PULLS

Part	Dia	CTC	Proj.
RM257	1¼"	10"	3¾"
RM258	1¼"	12"	3¾"
RM259	1¼"	18"	3¾"



OFFSET PUSH/PULL SETS

Part	Dia	Pull CTC	Pull Proj.
RM251	1¼"	12"	3"
RM252	1¼"	18"	3"
RM271	1½"	12"	3½"
RM272	1½"	18"	3½"

CUT SHEET

Rockwood RM3300

MegaTek Pull

Straight Pull - Flat Ends

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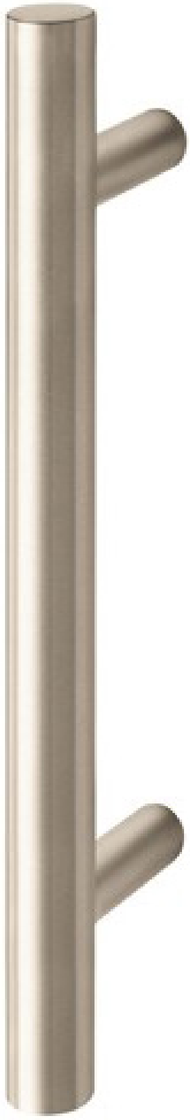

SPECIFICATIONS:

MATERIAL:
Aluminum, Brass, Bronze, Stainless Steel

OPTIONS:
For optional mid-post, suffix the product number with "MP" (example: RM3300MP). Over 96" available on select finishes.

ORDERING:
Specify CTC and overall length

MOUNTING NOTE:
1HD, 5HD, 6HD, 8HD, 12HD, 13HD, 15HD

AVAILABLE FINISHES:

- US3/605
- US4/606
- US10/612
- US10B/613
- 10BE/613E
- US28/628
- US32/629
- US32D
- US32316
- US32D316
- US32MS
- US32DMS
- 313/710
- 315/711
- BSP (Black Suede Powder Coat)
- BPC (Black Powder Coat)
- FBPC (Flat Black Powder Coat)
- WSP (White Suede Powder Coat)
- WPC (White Powder Coat)
- Stock Powder Coats

Diameter: 1"

Overall: Up to 96"

Rockwood Manufacturing Company
300 Main St.
Rockwood, PA 15557
www.rockwoodmfg.com
1 800 458 2424

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CATALOG

SURFACE CLOSERS

NORTON RIXSON

ASSA ABLOY

Experience a safer
and more open world

NORTON
RIXSON
ASSA ABLOY

8000 SERIES

ARCHITECTURAL DOOR CLOSER

INTRODUCTION

Multi-sized surface closer offering a complete range of arms and a sleek, minimal design suited for moderate- to high-traffic, architectural openings.

FEATURES

- Exceeds 25 million cycles
- Adjustable spring sizes 1 through 6
- Tri-Style® packaging standard (regular arm, top jamb and parallel arm mounting)
- Non-handed
- Staked valves
- Cast aluminum closer body
- Rack and pinion design
- 1-1/4" (32mm) diameter piston
- 5/8" (16mm) diameter pinion journals
- 2-1/8" (54mm) projection (standard covers)
- All standard arm applications (with slim, full or metal covers) allow doors to swing 180 degrees, conditions permitting
- Full size template
- Standard, separate and independent, latch, sweep and back check intensity valves
- Application specific arms: Regular (S), Top Jamb (JS) and Parallel (P)
- Heavy-duty arms; Regular Rigid, Parallel Rigid, CloserPlus®, CloserPlus Spring™, Unitrol®
- Slide Tracks: push or pull side mounting
- 30-year limited warranty

OPTIONAL FEATURES

- Lead lined metal cover - suffix MLL
- Metal, architectural plastic or architectural metal covers (8501 only)
- Delayed action

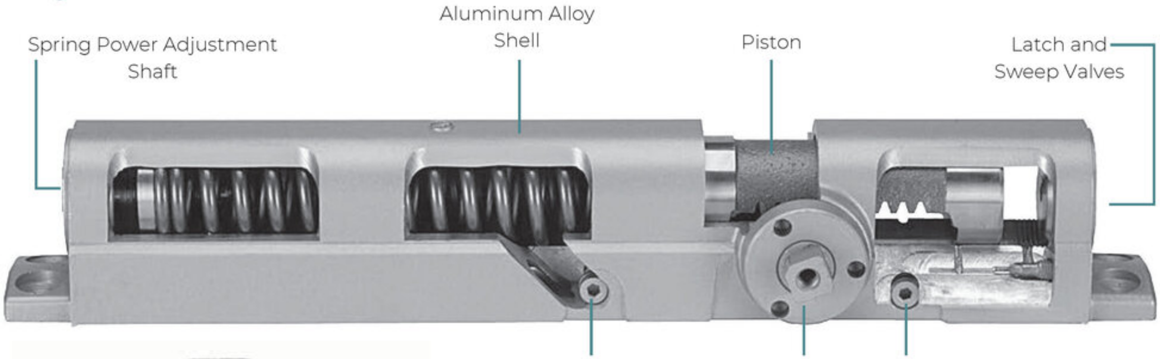
Features	8301	8501
Slim Line Cover	✓	
Full cover		✓

8000 SERIES

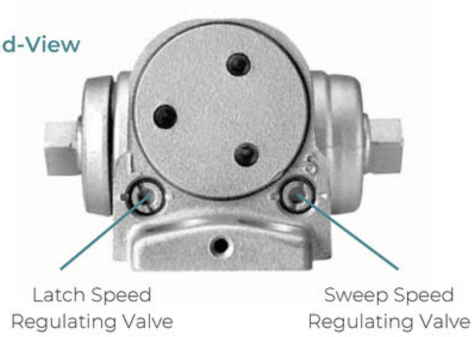
ARCHITECTURAL DOOR CLOSER

OVERVIEW

Cutaway View


Spring Power Adjustment Shaft
Aluminum Alloy Shell
Piston
Latch and Sweep Valves
Backcheck Intensity Regulating Valve
Pinion
Optional: "DA" Delayed Action Closing Regulating Valve

End-View


Latch Speed Regulating Valve
Sweep Speed Regulating Valve

CERTIFICATIONS

- ANSI/BHMA A156.4, Grade 1 certified BHMA CERTIFIED
- UL / cUL listed for use on fire rated doors (UL)
- UL10C listed for positive pressure fire test
- 8301 and 8501 door closers are designed to comply with requirements for the Americans with Disabilities Act (A.D.A)and ANSI standard A117.1 ♿
- This product is manufactured in an ISO 9001, ISO 14001 facility
- UL certified environmental product declaration

CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

7500 Series
7570 Series
8000 Series
1600 Series
2800ST Series
9300 Series
78-BF Series
1700 Series
210 Series
160 Series
9500 Series
9540 Series
410 Series

8000 SERIES

ARCHITECTURAL DOOR CLOSER

EXPLANATION OF FEATURES

Aluminum Alloy Housing

Closer bodies are constructed of a special aluminum alloy, carefully selected to accommodate interactive steel components and operating conditions.

Rack & Pinion Operation

Provides a smooth constant control of the door through its full opening and closing cycle. 180° door swing can be achieved when door, frame, hardware and arm function do not interfere.

Non-handed

With few exceptions all series 8301/ 8501 door closers are non-handed and can be installed on either right- or left-hand swing doors. Pinion shaft extends vertically through the closer body in both directions. Some options will require that the hand of the closer be specified.

Sweep Speed Control Valve

Allows adjustment of door speed from the door's full open position down to approximately 10° from the closed position.

Latch Speed Control Value

Allows adjustment of door speed from approximately 10° down to the door's fully closed position.

Tri-Style®

8301/8501 comes with screws, brackets and soffit plates to allow for regular, top jamb, and parallel arm installations.

Adjustable Backcheck Cushion Valve

Provides control of the door in the opening cycle, beginning at approximately 75° of door opening. It cushions the door opening when the door is forcibly opened beyond its pre-adjusted limits.

Standard Molded Covers

Molded of high-impact U.L. listed material. These covers are non-handed for all applications.

Warranty

Limited 30-year warranty for defects and life of the building on the aluminum housing.

Closer Fluid

NorGlide® closer fluid is a specially formulated multi-viscosity hydraulic fluid that contains lubricity and anti-oxidation agents that provide optimum performance and efficiency. This fluid complements the interaction of the door closer's aluminum housing with its steel and brass components, while maintaining stable viscosity to allow the door closer to perform in temperatures ranging from extremely high to as low as -40° F.

DOOR CLOSER POWER OPTIONS

Series 8301/8501 Multi-Sized Door Closer

Adjustable through the power range of sizes 1 through 6; as outlined in ANSI/ BHMA specification A156.4 option PT 4H.

Closers will also comply with the opening force requirements as outlined in the Americans with Disabilities Act (ADA) and ANSI/BHMA standard A117.1 for interior doors.

Optional Metal Cover

This steel cover is non-handed for regular and parallel arm applications, but is handed for top jamb applications. Cover is available in sprayed or plated finishes.

Optional Architectural Covers *

Plastic

Architectural plastic covers are molded of high-impact U.L. listed material. They are non-handed and available in sprayed finishes.

Metal

The architectural metal covers are steel and non-handed for all applications. These covers are available in sprayed or plated finishes.

Optional ABS Cover

Consult factory for details

8000 SERIES

ARCHITECTURAL DOOR CLOSER

EXPLANATION OF FEATURES

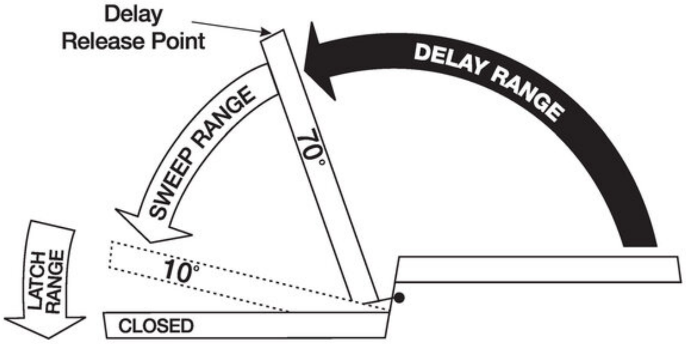
Adjustable Delayed Action Closing

An optional hydraulic feature that adds a third speed range to the closing cycle. This feature becomes effective when the door is opened and released at any point beyond 70°. The amount of time delay depends upon the combination of the angle of door release and valve adjustment. The valve can be adjusted with a 1/8" (3mm) hex key from no delay time up to maximum delay times of:

Door Opened and Released at	Approximate Time of Delay Cycle
180°	4-5 minutes
120°	2-3 minutes
90°	25-30 seconds

Pressure Relief Safety Valve

The delayed action hydraulic system contains a pressure relief valve. Any time the door is forced toward the closed direction while it is in the closing cycle, the valve will open and permit the door to close. This prevents damage to door, frame and closer.



Suggested Applications

Delayed Action closing allows slow moving traffic to clear the opening before the door closer's normal closing cycle begins. This feature can be helpful in health care facilities such as hospitals and nursing homes. It provides sufficient time for persons on crutches or in wheelchairs to pass through a door without concern of it closing. At the same time, it can accommodate the facility's staff with movement of food service carts, beds, and other wheeled traffic.

Use of delayed action closers on many doors throughout industrial and commercial buildings can also assist the flow of traffic. Locations where additional time to clear the opening is advantageous are doors between office and factory/ warehouse facilities, doors to workshops or laboratories, to kitchen and food processing areas, etc.

Non-Hold Open

Self-closes door every time door is opened. Auxiliary stop (by others) required except when using the CloserPlus®, CloserPlus Spring™ or Unitrol® arms.

Hold Open

Achieved by means of friction or ball and detent/ roller. Friction hold open has a range of 90° to 180° using template location and mechanical adjustment.

Ball and detent or roller hold open is effective in a range of 85° to 110°.

Hold open arm door closers are not permitted to be used on fire door assemblies.

Door Opening Degrees

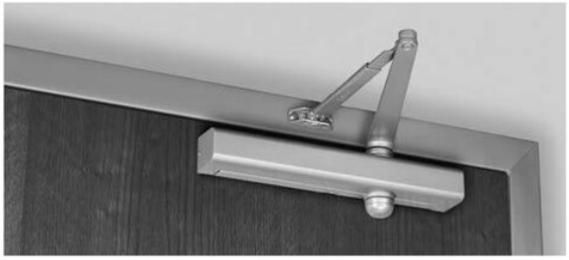
Arm Function	Regular Top Jamb Parallel Arm	Parallel Rigid Arm	CloserPlus® Parallel Arm	CloserPlus Spring™ Parallel Arm	Unitrol® Parallel Arm	Unitrol® Top Jamb	Low Profile Regular, Parallel	Slide Track
Non-Hold Open	✓	✓	85° to 110°	85° to 110°	85° to 110°	85° to 110°	✓	85° to 110°/180°
Hold Open	90° to 180°	85° to 180°	85° to 110°	85° to 110°	85° to 180°	85° to 180°	N/A	85° to 110°

✓=180° trim and template permitting

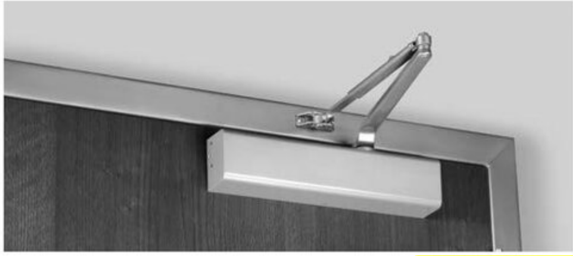
8000 SERIES

ARCHITECTURAL DOOR CLOSER

APPLICATIONS



8301 - slim cover

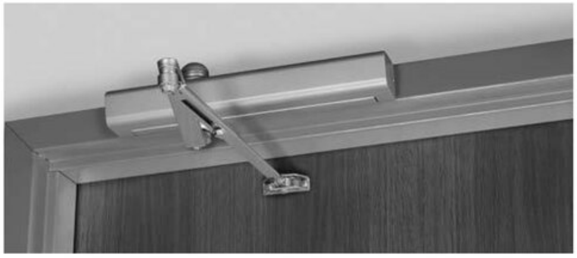


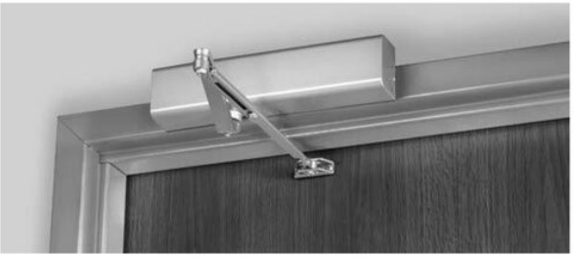
8501 - full cover

Regular Arm

This is the only pull side application where a double lever arm is used. It is the most power-efficient application for a door closer. Sufficient frame, door and/or ceiling clearance must be considered.

Since the arm assembly projects directly out from the frame, this application may present an aesthetics issue or be prone to vandalism.

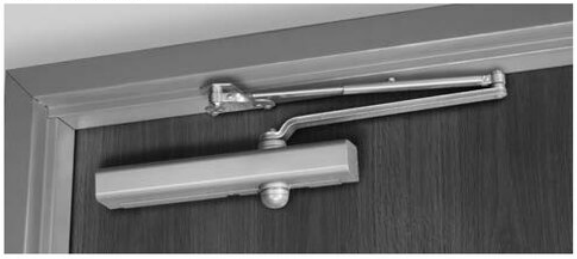


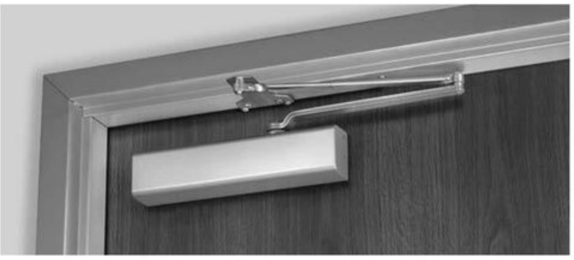


Top Jamb

For efficiency reasons this application provides the best alternative to the regular arm application. There must be sufficient frame face and/or ceiling clearance for this application. It requires a top rail on the door of just 2-1/4" (57mm). This application provides the best door control for doors in exterior walls that swing out of a building.

The entire door closer and arm assembly project from the frame, similar to the regular arm application, where matters of appearance and malicious abuse can be of concern. Consideration must be given to depth of frame reveal.



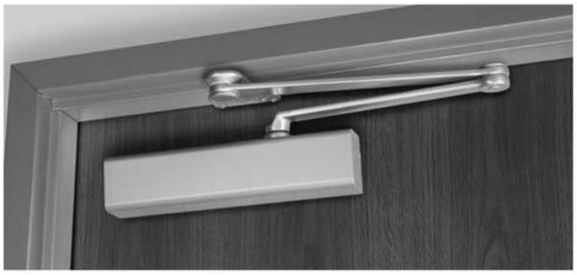


Parallel Arm

This application provides the most appealing design appearance for a surface mounted door closer having a double lever arm. This also makes it beneficial in vandalism-prone areas. It is on the push side of the door and the arm assembly extends almost parallel to the door. In the closed position, there is very little or no hardware projecting beyond the frame face in most situations.

Due to the geometry of the arm it is approximately 25% less power efficient than a regular arm application. The entire closer and arm assembly are mounted below the frame stop. Top rail clearance dimensions will vary based on the type of cover used.

APPLICATIONS

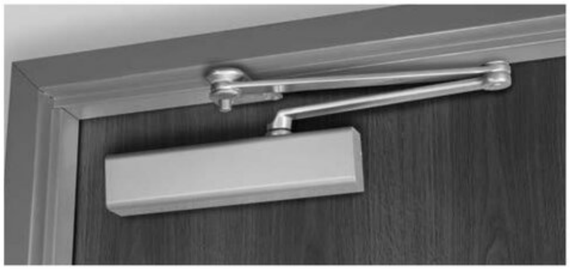


Non-hold open arm shown

Parallel Rigid Arm

An enhanced variation of the standard parallel arm assembly that is intended for use in heavy traffic areas where auxiliary door stops are installed.

Hold open available - specify hand when ordering.



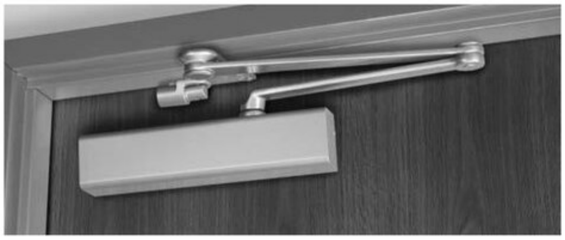
Non-hold open arm shown

CloserPlus® Arm

Similar to the Parallel Rigid arm, this arm incorporates a stop at the arm's soffit plate to dead stop the door at a predetermined degree of door swing between 85° to 110°, in 5° increments. Prior to dead stop the door closer's backcheck feature slows the door speed to reduce the impact of the stop action.

The CloserPlus Arm is intended for use where an auxiliary door stop cannot be utilized and no more than moderate abuse is anticipated. Where more extreme conditions are expected, use of a Unitrol arm is recommended.

Available with or without hold open. (Hold open strength is adjustable.)

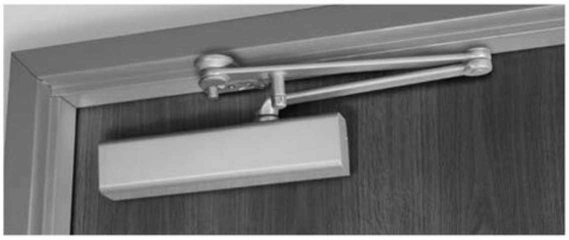


Non-hold open arm shown

CloserPlus Spring™

This arm has all the characteristics of the CloserPlus arm with an additional steel buffer spring that provides greater protection at the end of the door opening cycle.

For extreme conditions, use of a Unitrol arm is recommended. Available with or without hold open.



CloserPlus Ramp™

The CLP-R uses a patent pending ramp and plunger design that easily slides into place reducing wear often seen on traditional hold open arms. Ideal for applications where the door will constantly be pulled out of hold open.

FINISHES

Norton Rixson offers waterborne acrylic, polyster powder coat and plated finishes. Custom finishes are available on special order. A sample and approval is required.

Waterborne acrylic and polyester powder coat will withstand 100 hours of salt spray (ANSI requires 25 hours).

Specify BHMA Designation	Description
600[1]	Prime Coat
605[2]	Bright Brass
606[2]	Satin Brass
611[2]	Bright Bronze
612[2]	Satin Bronze
613E	Dark Oxidized Satin Bronze - Equivalent
619[2]	Satin Nickel
625[2]	Bright Chrome
626[2]	Satin Chrome

Specify BHMA Designation	Description	Complements the following finishes
689	Aluminum	628, 625, 629, 630, 651, 652
690	Statuary Bronze	640, 613
691	Dull Bronze	612, 637, 639
693	Black	315
694	Medium Amber	313
696	Gold	605, 606, 632, 633
BSP	Black Suede Powder	
WSP	White Suede Powder	

[1] 600 is a special rust-inhibiting prime coat. Closers can be ordered prime coat only (specify closer x 600). An additional charge applies if finish coat is required over prime coat.

[2] Plated finish

- Closer bodies and plastic covers are available in waterborne acrylic finishes. Arms and metal covers are available in powder coat or plated finishes.
- When a plated finish is ordered, arm and cover will be plated unless "cover only" is specified.

8000 SERIES

ARCHITECTURAL DOOR CLOSER

HOW TO ORDER

For optimum protection of door and frame assemblies, always use auxiliary wall, floor, or overhead door stop.

CLP	8	5	0	1	T
Prefixes	**First Digit** Defines Closer Series	**Second Digit** Specifies Cover Options	**Third Digit** Specifies Some Options	**Fourth Digit** Specifies Closer Size	**Suffixes**

Appearance Options
1 - without cover
3 - closer with Slim Line cover
5 - closer with Full cover

1 - Adjustable 1-6

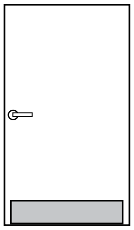
0 - Specifies standard type arms for non-hold open, hold open closers
4 - Specifies low profile slide track
8 - Specifies a low profile arm for non-hold open closers only

No Prefix - 8301/8501 series designates Tri-Style®
S - 8301/8501 regular arm application only, non-hold open
JS - 8301/8501 top jamb application only, non-hold open
P - 8301/8501 parallel arm application only, non-hold open 8381/8581 low profile closer
J - Top Jamb installation. 2-3/4 to 7" reveal - 150° swing
PR - Parallel rigid arm (parallel arm only - specify hand for hold open functions)
PRO - Parallel rigid arm with offset soffit plate (parallel arm only - specify hand for hold open applications)
PS - For push side mounted slide track only
R - Regular rigid heavy-duty arm (Torx® screws not included)
CLP - CloserPlus® arm (parallel arm only)
CPS - CloserPlus Spring™ arm (parallel arm only)
UNI - Unitrol® arm (parallel arm only - specify door width)
UNIJ - Unitrol arm (top jamb only - specify frame reveal)

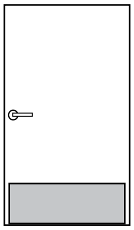
No Suffixes - Standard non-hold open arm
H - Standard hold open arm
M - Metal cover; optional for series 8501 closers only (Specify hand for Top Jamb closer
MLL - Lead lined metal cover
A - Optional Architectural Plastic cover (8501 only)
MA - Optional Architectural Metal cover (8501 only)
T - Thumbturn hold open on CloserPlus (CLP) & CloserPlus Spring (CPS) arms
DA - Adjustable delayed action closing optional. Available with adjustable backcheck cushioning for all series
ST - Slide track single lever arm (pull side standard. For push side prefix PS)
ST-180 - Slide track single lever (pull side only); 180° swing
DE - Pull side slide track arm for double egress frame with reveal (Handed)
G - ABS cover
R - Ramp hold open on CloserPlus® arm

Note:

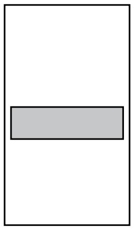
- Before installing a door closer, verify the accessibility, fire, and life-safety requirements that are in effect. This includes the mounting height and projection into the clear opening. Check the adopted state and local building codes and consult the Authority Having Jurisdiction (AHJ)
- To maintain the warranty and ensure proper operation of the product, follow the installation instructions & templates and install on the inside of the building.
- Consult NFPA 80 for the hinge requirements on a fire door.
- Failure to use fasteners supplied with closer may void factory warranty.
- Optional fasteners are available for a variety of applications. Consult the door and frame manufacturer to ensure the proper fasteners are used to maintain certifications.
- Sizing charts are based on 1-3/4" x 7' standard weight doors swinging to 110°. Other application conditions (e.g. larger door heights or weight) may require larger size closer. Adjusting the spring power to meet the low opening force requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, may not provide adequate closing power to dependably close and latch the door in some conditions (i.e. air movement from wind gusts or building stack pressure).



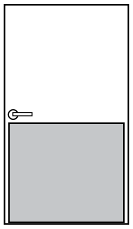
Mop Plate
Up to 6"h x 48"w



Kick Plate
6" to 12"h x 48"w



Stretcher Plate
6" to 12"h and up to 48"w



Armor Plate
Up to 48"h x 48"w and available in most finishes

OPTIONAL Self-Drilling TEK Screws: Cuts door plate installation time in half.

Width of Plates:
Push Side: 2" less than door width.
Pull Side: 1½" less than door width.

NFPA 80 STANDARDS — 2-4.5 Protection Plates: Factory-installed protection plates shall be installed in accordance with the listing of the door. Field-installed protection plates shall be labeled and installed in accordance with their listing.

Exception: Labeling is not required where the top of the protection plate is not more than 16" (406 mm) above the bottom of the door.

Metal Door Plate – Economy Duty No. K1038

Material: .038" stainless steel
Finishes: US32D
Fastener: #6 x ⅝" OH SMS
Ordering: Specify height x width x finish code. Add any options
Weight: 8" x 34" = 3.2 lbs
Features:
- All edges come beveled

Options:
- SA – self-adhesive mounting
- TORX – security Torx screws
- TEK – self-drilling screws
- Cutouts for locks, louvers, or windows (see worksheets on pages C14-C15 for details on how to order)

Metal Door Plate - Standard Duty No. K1050

Material: .050" Stainless Steel
Finishes: US32D
Fastener: #6 x 5/8" OH SMS
Features:
- All edges come beveled

Options:
- One day shipping available
- Door markings are not available on quick ship

Metal Door Plate – Standard Duty No. K1050, K1050F

Material: .050" aluminum, brass, bronze, stainless steel
Finishes: 10BE, US32D, US32DMS
Fastener: #6 x ⅝" OH SMS
Ordering: Specify height x width x finish code. Add any options
Weight: 8" x 34" = 4.0 lbs
ANSI: J101 - metal armor plate, J102 - metal kick plate, J103 - metal stretcher & mop plate
Features:
- All edges come beveled

Options:
- SA – self-adhesive mounting
- TEK – self-drilling screws
- Cutouts for locks, louvers, or windows (see worksheets on pages C14-C15 for details on how to order)
- Heavy bevel available, specify HVBEV
- Screw mounting (K1050F) and UL listed for use on 90-minute label wood doors and 3-hour label metal doors
- CSK – countersunk holes
- TORX – security Torx screws

Windstorm Plate – K1050WS

Material: 050" Aluminium, Brass, Bronze, Stainless Steel
Finishes: Standard Architectural Finishes
Fastener: #10x⅝" Pan Head Tek Screws
Ordering: Part # when ordering is K1050WS
All plates are UL and Windstorm rated
Features:
- All edges come beveled

Options:
- Cutouts for locks, louvers or windows
- Rounded Corners
- Heavy Bevel
- Screw Mount only

Certified to the below standards:
- ICC-500 (2014)
- FEMA Guideline 320 (2014)
- FEMA Guideline 361 (2015)

Part of windstorm assembly cards: ZHLA.45, ZHLA.46, ZHLA.47, ZHLA.51, ZHLA.53, ZHLA.54

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Solid Cast Wall Stops No. 400, 401, 402

Material: Cast brass with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features: Concealed mounting, convex bumper. Back plate prevents damage to wall

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
400	Convex	#6 x 1$^{1}/_{2}$" FH SMS, plastic toggle	2$^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02101
401	Convex	#8 x 1" RH WS, plastic anchor	2$^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02101
402	Convex	#8 - 32 x 1" TH MS, lead anchor	2$^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02101

Solid Cast Wall Stops No. 403, 404, 405

Material: Cast brass with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features: Concealed mounting, concave bumper. Back plate prevents damage to wall

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
403	Concave	#6 - 1$^{1}/_{2}$" FH SMS, plastic toggle	2$^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02251
404	Concave	#8 x 1" RH WS, plastic anchor	2$^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02251
405	Concave	#8 - 32 x 1" TH MS, lead anchor	2$^{7}/_{16}$" dia.	1"	3.3 lbs./10	L02251

Wrought Wall Stops No. 406

Material: Wrought brass, bronze, and stainless steel with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features:
- Concealed mounting, convex bumper. Back plate prevents damage to wall
- Accepted by the New York State Office of Mental Health (OMH) for use in high risk areas

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
406	Convex	#8 x 1$^{1}/_{4}$" TH SMS, plastic toggle	2$^{1}/_{2}$" dia.	$^{3}/_{4}$"	1.8 lbs./10	L02101

Wrought Wall Stops No. 409

Material: Wrought brass, bronze, and stainless steel with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Features:
- Concealed mounting, concave bumper. Back plate prevents damage to wall
- Accepted by the New York State Office of Mental Health (OMH) for use in high risk area

Options: DuraFlex bumper available in standard gray or optional black

No.	Bumper	Fastener	Size	Projection	Weight	ANSI A156.16
409	Concave	#8 x 1$^{1}/_{4}$" TH SMS, plastic toggle	2$^{1}/_{2}$" dia.	$^{3}/_{4}$"	1.8 lbs./10	L02251

ASSA ABLOY

The global leader in
door opening solutions

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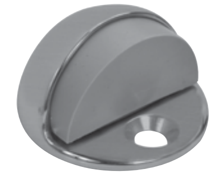

Light Duty Low Dome Floor Stop No. 438

Material: Cast with rubber bumper

Finishes: US26D or US10B only

Features: For doors without thresholds (not undercut)

No.	Fastener	Base	Height	Weight	ANSI A156.16
438	plastic anchor and one screw	1/8" h x 1 11/16" dia.	1"	1 lb./10	L02141

Light Duty High Dome Floor Stop No. 439

Material: Cast with rubber bumper

Finishes: US26D or US10B only

Features: For doors with thresholds or undercut doors

No.	Fastener	Base	Height	Weight	ANSI A156.16
439	plastic anchor and one screw	3/8" h x 1 3/4" dia.	1 1/4"	1.5 lbs./10	L02141

Low Dome Stops No. 440, 441

Material: Solid cast brass with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Other: No. 441 is packed with both WS and MS fasteners

Features: For doors without thresholds (not undercut).

Options: Exterior pack screw packs, stainless steel plated to match — use EXP suffix (440 x EXP) when ordering.

No.	Fastener	Base	Height	Weight	ANSI A156.16
440	#12 x 1 1/4" FH WS, plastic anchor	1/4" h x 1 7/8" dia.	1 1/8"	2.1 lbs./10	L02141
441	#12 x 1 1/2" FH WS, plastic anchor; #12 - 24 x 1" FH MS, lead anchor	1/4" h x 1 7/8" dia.	1 1/8"	2.5 lbs./10	L02141

Dome Stop Combination Unit No. 441CU

Material: Solid cast brass with DuraFlex bumper

Finishes: Available in standard architectural finishes (see page 9)

Other: Set consists of 1 each No. 441 and 1 each No. 444. For use at doors with or without a threshold

Features: Convertible for undercut or not undercut doors

Options: Exterior pack screw packs, stainless steel plated to match — use EXP suffix (441CU x EXP) when ordering

No.	Fastener	Base	Height	Weight	ANSI A156.16
441CU	#12 x 1 1/2" FH WS, plastic anchor; #12 - 24 x 1 1/2" FH MS, lead anchor	Dome stop: 1/4" h x 1 7/8" dia. Riser: 3/8" h x 2" dia.	1 1/8" or 1 1/2"	3 lbs./10	L02141/ L02161
444	Cast riser only	3/8" h x 1 7/8" dia.	3/8"	10 ozs./10	L02141

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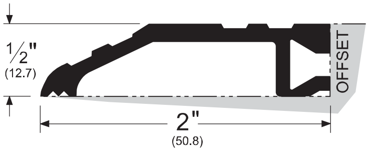
HALF SADDLE THRESHOLDS *(Cont.)*

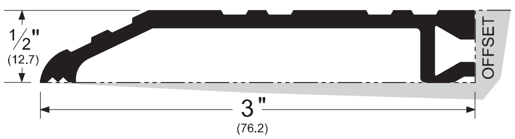
252_

AVAILABLE FINISHES: **10BE, A, B, BSP, D, WSP**
ANSI (aluminum): **J33100, J33130**
ANSI (brass): **J13100, J13130**



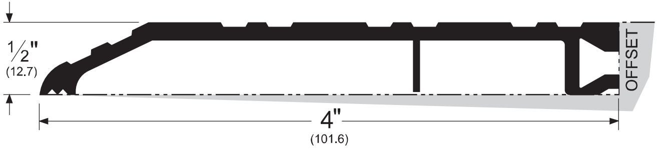
253_

AVAILABLE FINISHES: **10BE, A, B, BSP, D, WSP**
ANSI (aluminum): **J33100, J33130**
ANSI (brass): **J13100, J13130**



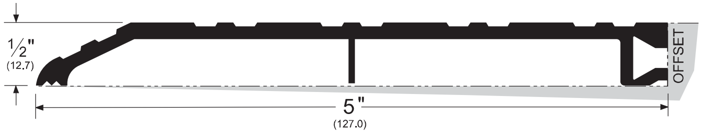
254_

AVAILABLE FINISHES: **10BE, A, B, BSP, D, G, WSP**
ANSI (aluminum): **J33100, J33130**
ANSI (brass): **J13100, J13130**



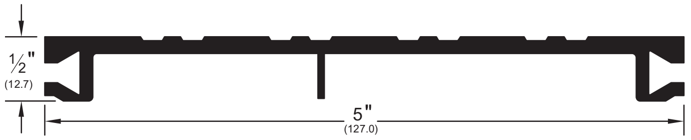
255_

AVAILABLE FINISHES: **10BE, A, B, BSP, D, G, WSP**
ANSI (aluminum): **J33100, J33130**
ANSI (brass): **J13100, J13130**



2555_

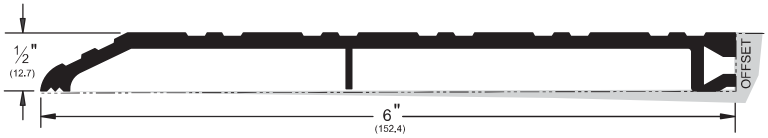
AVAILABLE FINISHES: **10BE, A,BSP, D, WSP**
ANSI (aluminum): **J33100**



* 2555_ can be combined with other half saddles on one or both sides. If combined only on one side, the opposite side should be mounted flush with an existing offset. Either stated application is required for this to be ADA-compliant.

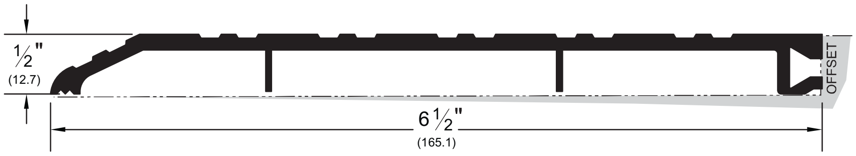
256_

AVAILABLE FINISHES: **10BE, A, BSP, D, WSP**
ANSI (aluminum): **J33100, J33130**



2565_

AVAILABLE FINISHES: **10BE, A, BSP, D, WSP**
ANSI (aluminum): **J33100, J33130**



NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum) **B** (Mill Finish Extruded Bronze [Brass])
BSP (Black Suede Powder Coated Aluminum) **D** (Dark Bronze Anodized) **G** (Gold Anodized)
WSP (White Suede Powder Coated Aluminum)

NOTE: **G** is available with limited inventory

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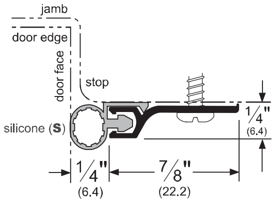
STANDARD PERIMETER GASKETING

- Rigid jamb weatherstrip shown mounted on openings with 1/16" gaps; however, each weatherstrip can seal gaps up to the depth of its seal. Seal depth provided on each illustration (example: the **303** has a 1/4" seal; therefore, it can seal up to a 1/4" gap)
- Punched on 6" centers with slotted holes for adjustment
- Model 303 is available with self-adhesive two-sided tape (TST) and tek screws (3 slotted holes per part) for easy installation. To obtain this option, add “TST” to the end of the part when ordering (example: **303AVTST**)
- Pemko is continually commissioning tests for acoustic assemblies. More profiles may be tested from this category. Please contact Customer Service if the options here don't suit your application.

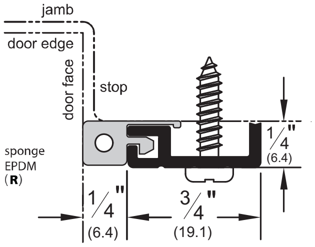
303_S

AVAILABLE FINISHES:
10BE, A, BSP, C, D, G, PW, SN, WSP
REPLACEMENT INSERT: **S3 (BL, GR, W)**
ANSI: **R3E164, R3E165**



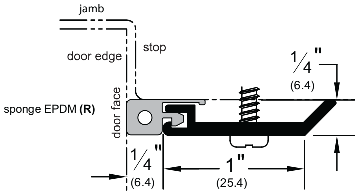
312_R

AVAILABLE FINISHES: **10BE, BSP, C, D, WSP**
REPLACEMENT INSERT: **ER9BL (BL)**
ANSI (alum): **R3G164, R3G165**



315_R

AVAILABLE FINISHES: **10BE, BSP, C, D, WSP**
REPLACEMENT INSERT: **ER9BL (BL)**
ANSI (alum): **R3G164, R3G165**



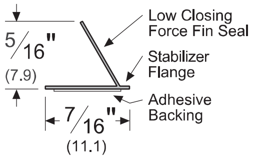
SILICONSEAL ADHESIVE-BACKED GASKETING

- SiliconSeal is extruded from high-temperature silicone; effective between -58°F and 450°F
- Self-extinguishing and non-toxic; unaffected by sunlight, ozone, and ultraviolet rays
- Impervious to fungus and mildew; will not deteriorate under normal exposure
- Meets FAR 25.853 Airworthiness Standards for Compartment Interiors

S44_

AVAILABLE FINISHES: **BL, C, D, GR, W**
AVAILABLE LENGTHS: **17', 18', 20', 21', 25', 30', 204', 510'**
ANSI: **R0E154, R0E155**

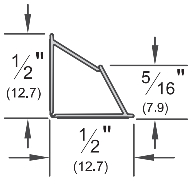
- Designed for tighter frames
- Demonstrates extremely low closing force
- Seal begins compressing at 5/16"; compresses to seal up to a 1/16" gap



S442_

AVAILABLE FINISHES: **BL, D, W**
AVAILABLE LENGTHS: **17', 18', 20', 21', 25', 30', 510'**
ANSI: **R0E154, R0E155**

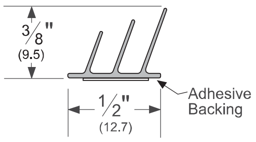
- Fits flush into corner
- Seal begins compressing at 5/16"; compresses to seal up to a 1/16" gap in either direction



S773_

AVAILABLE FINISHES: **BL, D, GR, W**
AVAILABLE LENGTHS: **17’, 18’, 20’, 21’, 25’, 30’, 250’, 500’**
ANSI: **R0E154, R0E155**

- Triple-fin design effectively blocks light and sound from infiltrating a room
- Seal begins compressing at 3/8"; compresses to seal up to a 3/32" gap



NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
Metal: **10BE** (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum)
BSP (Black Suede Powder Coated Aluminum) **D** (Dark Bronze Anodized) **G** (Gold Anodized)
PW (Painted White) **SN** (Satin Nickel Anodized) **WSP** (White Suede Powder Coated Aluminum)
SiliconSeal: **BL** (Black) **C** (Clear) **D** (Dark) **GR** (Gray) **W** (White)

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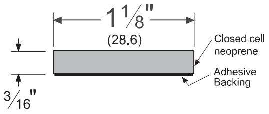
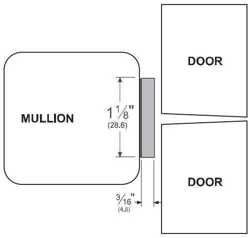
ADHESIVE-BACKED MULLION GASKETING

5110_

AVAILABLE FINISH: **BL**
AVAILABLE LENGTHS: **120"**
ANSI: **R0C004**


1 1/8"
(28.6)
Closed cell neoprene
Adhesive Backing
3/16"
(4.8)

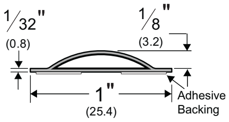
BHMA CERTIFIED

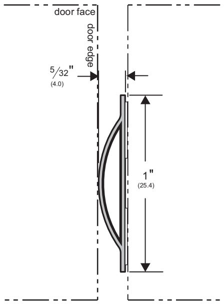

DOOR
MULLION
1 1/8"
(28.6)
DOOR
3/16"
(4.8)

ADHESIVE-BACKED ASTRAGAL SEAL

S1125 _

AVAILABLE FINISH: **D**
AVAILABLE LENGTHS: **7', 8', 10'**


1/32"
(0.8)
1/8"
(3.2)
1"
(25.4)
Adhesive Backing


door face
door edge
5/32"
(4.0)
1"
(25.4)

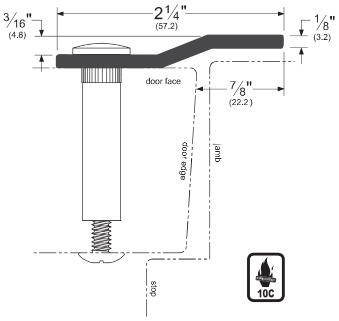
OFFSET SECURITY BAR

- For use on single outswing wood or metal doors
- Covers gap between the door and jamb for the full door height, preventing prying and manipulation
- 3572_ supplied drilled 12" on center with 3/8" holes; “ND” denotes “no drill”

3572_
3572_ND

AVAILABLE FINISHES:
SP, SPBSP, SPWSP,
SS (#4 Finish & #4 Edge)
AVAILABLE LENGTHS:
80", 84" and 96"

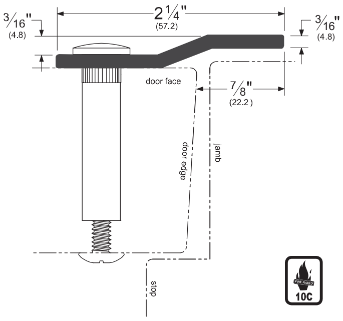
10 GAUGE


3/16"
(4.8)
2 1/4"
(57.2)
1/8"
(3.2)
door face
7/8"
(22.2)
door edge
jamb
stop
10C

3572PP7
3572PP7ND

AVAILABLE FINISHES:
PP
AVAILABLE LENGTHS:
84"

7 GAUGE


3/16"
(4.8)
2 1/4"
(57.2)
3/16"
(4.8)
door face
7/8"
(22.2)
door edge
jamb
stop
10C

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
BL (Black) **D** (Dark Brown) **PP** (Prime Painted) **SP** (Galvanized Steel)
SS (See Individual Part) **SPBSP** (Black Suede Powder Coated Steel)
SPWSP (White Suede Powder Coated Steel)

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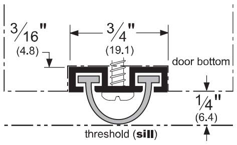
SPECIALTY DOOR BOTTOMS

- May be used in many different applications. Some of these shapes may be used as meeting stile gasketing; see page 174 for examples
- Supplied Net Length (as ordered)

313_N

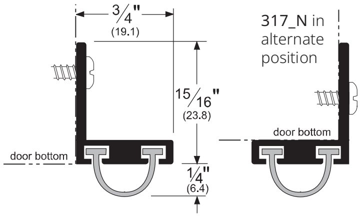
AVAILABLE FINISHES: **A, D, G**
REPLACEMENT INSERT:
E1 (BL, GR)
ANSI: **R3G416**


3/16" (4.8)
3/4" (19.1)
door bottom
1/4" (6.4)
threshold (sill)

EPDM (**N**)

317_N

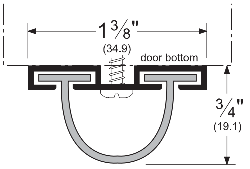
AVAILABLE FINISHES: **A, BSP, D**
REPLACEMENT INSERT: **E1 (BL, GR)**
ANSI: **R3G416**


3/4" (19.1)
15/16" (23.8)
door bottom
1/4" (6.4)
317_N in alternate position
door bottom

EPDM (**N**)

314_N

AVAILABLE FINISHES: **C, D, G**
REPLACEMENT INSERT: **E3 (BL, GR)**
ANSI: **R3G416**

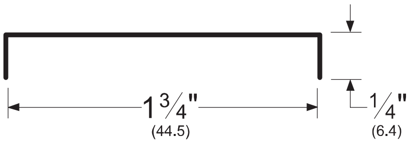

1 3/8" (34.9)
door bottom
3/4" (19.1)

EPDM (**N**)

DOOR TOP WEATHERSTRIP

_344

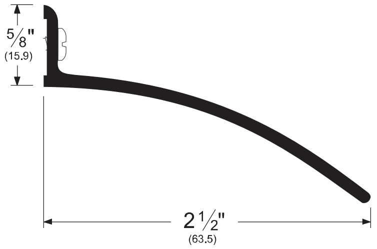
AVAILABLE FINISHES: **PA**
AVAILABLE LENGTHS: **36", 48"**


1 3/4" (44.5)
1/4" (6.4)

346_

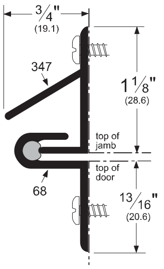
AVAILABLE FINISHES: **10BE, BSP, C, D, WSP**

- Overhead rain drip with slotted holes
- Should be ordered a minimum of 4" longer than the door width


5/8" (15.9)
2 1/2" (63.5)

347_
68_R

AVAILABLE FINISHES: **A, D, G**


3/4" (19.1)
347
1 1/8" (28.6)
top of jamb
top of door
68
13/16" (20.6)

HEAVY DUTY DOOR BUMPER

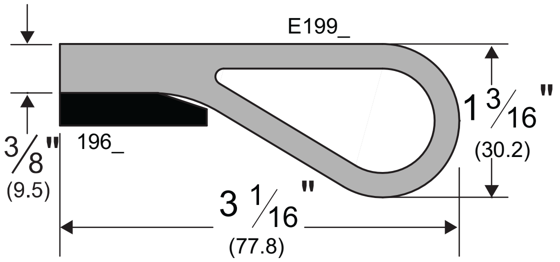
- Heavy duty door bumper extruded from black EPDM (E)
- Order 196_ separately; furnished undrilled unless requested otherwise

E199_

AVAILABLE COLOR: **BL**

196_

AVAILABLE COLOR: **A**


E199_
196_
3/8" (9.5)
1 3/16" (30.2)
3 1/16" (77.8)

NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum) **BSP** (Black Suede Powder Coated Aluminum)
C (Clear Anodized) **D** (Dark Bronze Anodized) **G** (Gold Anodized) **PA** (Painted Aluminum)
WSP (White Suede Powder Coated Aluminum)
Non-Metal Finish: **BL** (Black)

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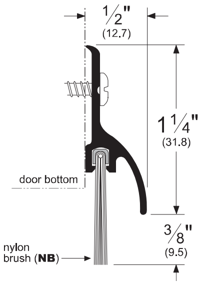
DOOR BOTTOM SWEEPS *(Cont.)*

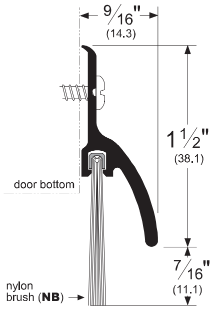
3452_NB

AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P14075 (BL, GR)
ANSI: **R3A534**


½"
(12.7)
1¼"
(31.8)
door bottom
3/8"
(9.5)
nylon brush (NB)

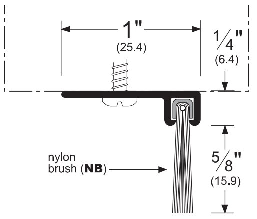
345_NB

AVAILABLE FINISHES:
A, BSP, D, G, WSP
REPLACEMENT INSERT:
P14100 (BL, GR)
ANSI: **R3A534**


9/16"
(14.3)
1½"
(38.1)
door bottom
7/16"
(11.1)
nylon brush (NB)

90062_NB

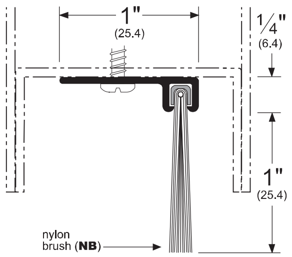
AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P516062 (BL, GR, W)
ANSI: **R3A414**


1"
(25.4)
¼"
(6.4)
nylon brush (NB)
5/8"
(15.9)

90100_NB

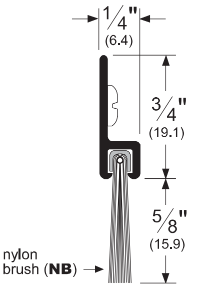
AVAILABLE FINISHES:
BSP, C, D, WSP
REPLACEMENT INSERT:
P516100 (BL, GR, W)
ANSI: **R3A414**

For hollow metal doors with inverted channel


1"
(25.4)
¼"
(6.4)
1"
(25.4)
nylon brush (NB)

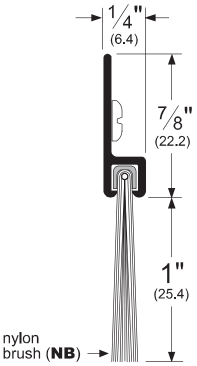
18061_NB

AVAILABLE FINISHES:
BSP, C, D, G, SN, WSP
REPLACEMENT INSERT:
P516062 (BL, GR, W)
ANSI: **R3A434**


¼"
(6.4)
3/4"
(19.1)
5/8"
(15.9)
nylon brush (NB)

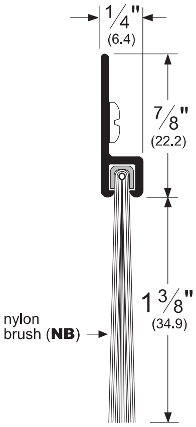
18100_NB

AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P38100 (BL, GR)
ANSI: **R3A434**


¼"
(6.4)
7/8"
(22.2)
1"
(25.4)
nylon brush (NB)

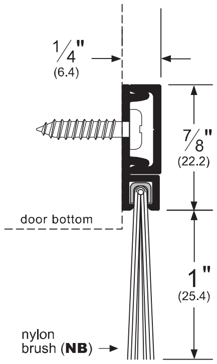
18137_NB

AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P38137 (BL, GR)
ANSI: **R3A434**


¼"
(6.4)
7/8"
(22.2)
1 3/8"
(34.9)
nylon brush (NB)

293100_NB

AVAILABLE FINISHES:
BSP, C, D, G, WSP
REPLACEMENT INSERT:
P516100 (BL, GR)


¼"
(6.4)
7/8"
(22.2)
door bottom
1"
(25.4)
nylon brush (NB)

NOTE: Products shown in this section may not be drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
A (Mill Finish Aluminum) **BSP** (Black Suede Powder Coat) **C** (Clear Anodized)
D (Dark Bronze Anodized) **G** (Gold Anodized) **SN** (Satin Nickel Anodized)
WSP (White Suede Powder Coat)

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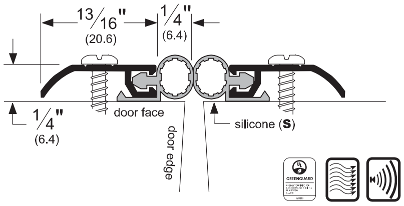
ASTRAGAL AND MEETING STILE GASKETING – SPLIT ASTRAGALS

- Astragals and meeting stiles with a fire label may be mounted on pairs of doors wherein the gap meets the requirements of **NFPA 80, 6.3.1.7.1 "The clearance between... the meeting edges of doors swinging in pairs on the pull side shall be 1/8" ± 1/16" (3.18mm ± 1.59mm) for steel doors and shall not exceed 1/8" (3.18mm) for wood doors"**
- Punched with slotted holes for adjustment
- Order split astragals at two (2) pieces by door height per set of double doors. When ordering add "/2" to the end of the part number to specify 2 pieces (i.e. order quantity 1 each 303AS84/2 to get two lengths at 84 inches)
- Clear anodized brush products are supplied with gray brush. Painted white brush products are supplied with white brush when available, otherwise black brush is supplied. All other finishes supplied with black brush. Black brush is available for clear anodized and painted white brush products upon request.

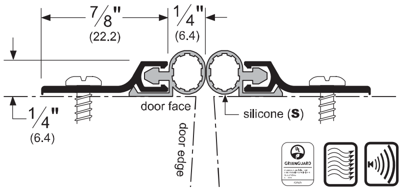
297_S

AVAILABLE FINISHES:
10BE, A, BDG, BSP, D, PW, SN, WSP
REPLACEMENT INSERT:
S3 (BL, W)
ANSI: **R3E734, R3E735**



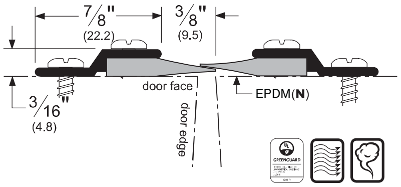
303_S

AVAILABLE FINISHES:
10BE, A, BSP, C, D, G, PW, SN, WSP
REPLACEMENT INSERT:
S3 (BL, W)
ANSI: **R3E734, R3E735**



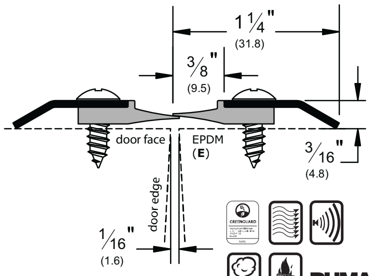
305_N

AVAILABLE FINISHES:
10BE, B, BSP, C, D, WSP
REPLACEMENT INSERT:
E2 (BL)
ANSI: **R3G734, R3G735**



305SSE

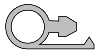
AVAILABLE FINISHES:
SS (#4 Finish)
REPLACEMENT INSERT:
E2 (BL)
ANSI: **R5G734, R5G735**



Alternate Inserts For 297

297_PK

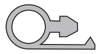
AVAILABLE FINISHES:
10BE, A, BDG, BSP, D, PW, SN, WSP
REPLACEMENT INSERT:
PK47 (BL, GR)
ANSI: **R3G734, R3G735**



PemkoPrene™ **(PK)**

297_V

AVAILABLE FINISHES:
10BE, A, BDG, BSP, D, PW, SN, WSP
REPLACEMENT INSERT:
EV47 (BL, GR, W)

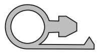


Eco-V™ **(V)**

Alternate Inserts For 303

303_PK

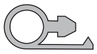
AVAILABLE FINISHES:
10BE, A, BSP, C, D, G, PW, SN, WSP
REPLACEMENT INSERT:
PK47 (BL, GR)
ANSI: **R3G734**



PemkoPrene™ **(PK)**

303_V

AVAILABLE FINISHES:
10BE, A, BSP, C, D, G, PW, SN, WSP
REPLACEMENT INSERT:
EV47 (BL, GR, W)



Eco-V™ **(V)**

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum) **BDG** (Bright Dip Gold Anodized) **BSP** (Black Suede Powder Coated Aluminum) **C** (Clear Anodized) **D** (Dark Bronze Anodized) **G** (Gold Anodized) **PW** (Painted White) **SN** (Satin Nickel Anodized) **WSP** (White Suede Powder Coated Aluminum)

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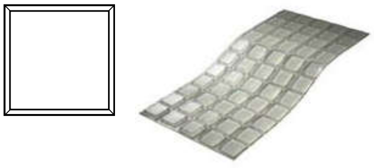


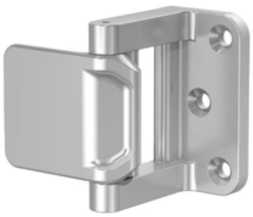
Wall Guard No. 606-RKW

Material: Clear rubber

Other: Sold in sheets of 55

Features: Self-adhesive mounting

No.	Fastener	Size	Weight
606-RKW	Self-adhesive back	1"x1"	0.4 lbs./55



PDLAA

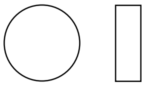
Privacy Door Latch No. PDLAA

Material: Zinc die cast

Finishes: US26D, US26, US15, BSP, US3, US4, 10BE

Features:
- ADA compliant
- Enhanced in room privacy
- Easy to install
- For use with UL Classified fire doors for use with hollow metal steel composite type fire doors rated up to and including 3 hrs Wood composite type fire doors rated up to and including $1\frac{1}{2}$ hrs and 20 minutes without hose stream

No.	Fastener	Size	Weight
PDLAA	#12 x 1-1/4" FH SMS	$1\frac{1}{2}$" x $2\frac{3}{16}$"	0.8 oz.



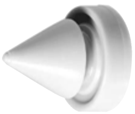
Door Silencer No. 608CA

Material: Clear rubber

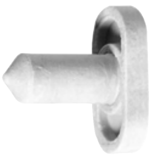
Other: Sold in packages of 300

Features: Self-adhesive mounting

No.	Fastener	Size	Weight
608CA	$\frac{3}{8}$" dia. x $\frac{1}{8}$"	Metal or wood	0.2 lbs./300



608



609

Door Silencers No. 608-RKW, 609

Material: Gray rubber

Other: Sold in packages of 100

No.	Size	Frame Type	Weight	ANSI A156.16
608-RKW	$\frac{1}{2}$" dia. x $\frac{5}{8}$"	Metal	1.3 lbs./500	L03011
609	$\frac{3}{8}$" x $\frac{3}{4}$"	Wood	1.3 lbs./500	L03021

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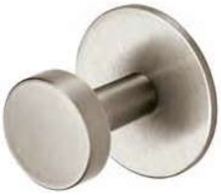
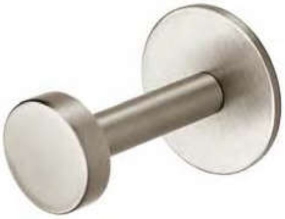
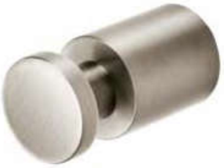
Coat Hooks

Available in most architectural finishes, our collection of coat hooks add an element of convenience to enhance any environment.


RM801


RM802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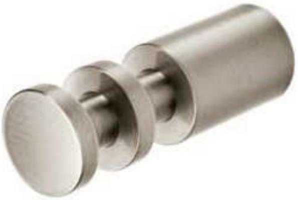
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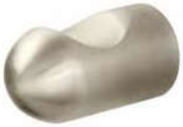
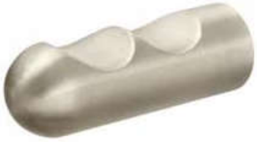

RM805
RM807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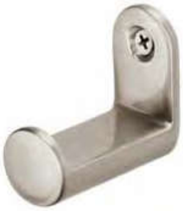
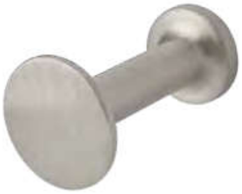
RM808


RM811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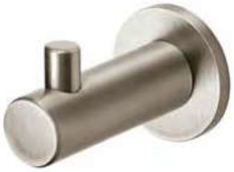
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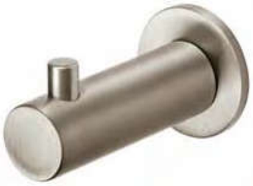
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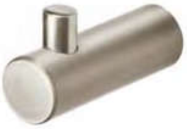
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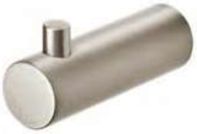
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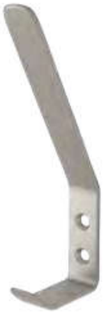
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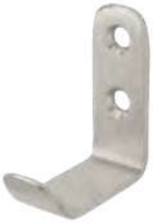

RM829

ESSENTIAL COAT HOOKS

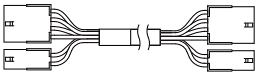
Part	Size	Part	Size
RM801	1¼" x 1¾"	RM811	¾" x 1⅝"
RM802	1¼" x 2¾"	RM812	1¼" x 2¼"
RM803	1" x 2"	RM820	½" x 1⅝"
RM804	1" x 3"	RM821	⅝" x 2⅛"
RM805	1" x 1¾"	RM822	½" x 1½"
RM806	1" x 3"	RM823	⅝" x 2"
RM807	1¼" x 2⅛"	RM828	¾" x 2⅞"
RM808	1¼" x 3½"	RM829	¾" x 1⅞"

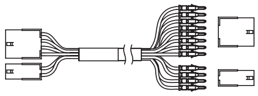
ElectroLynx® Retrofit Cables

If you are not ordering ASSA ABLOY Door Group doors with the ElectroLynx® cable pre-installed in the door, you must order an ElectroLynx® retrofit cable to go between ANY hardware and the hinge. This includes 3" cables to go from the hinge to an exit device and up to a 15' cable to go up and around a full lite metal door.

QC-C1500P Shown

Standard ElectroLynx® Retrofit Cable Sizes





Actual Cable Length	12 Conductor and Molex both ends	12 Conductor and Molex one end, pinned one end	Typical Application
3"	QC-C003	QC-C003P	Between hinge and the end of an exit device.
6"	QC-C006	QC-C006P	
12"	QC-C012	QC-C012P	
26"	QC-C200	QC-C200P	Between hinge and through the door to the lockset or exit device trim.
32"	QC-C206	QC-C206P	
38"	QC-C300	QC-C300P	
44"	QC-C306	QC-C306P	
50"	QC-C400	QC-C400P	
15' 2"	QC-C1500	QC-C1500P	From the hinge location, up the jamb to above the ceiling, or up and around full lite or half lite metal door.
25'	-	QC-C2500P	
30'	-	QC-C3000P	

Custom lengths available.

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Accessories

DPS Door Position Switches

DPS-W and DPS-M door position switches enable access control systems to monitor the open or closed state of a door.

These switches can transmit an initiate signal to XDT delayed exit logic timers and DPA door prop logic timers.

Features

Standard Features

- Mated magnetic switch and cylindrical magnetic contact
- Recesses into door and frame
- 3/4" [19mm] round installation, 15/16" [23.8125mm] deep
- Provides normally closed SPST switch
- Works with door gap up to 3/4" [18mm]
- Larger cylindrical magnet counters shielding effect of steel
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- Available in white, gray or black

Specifications

Electrical

- Switching Current AC/DC (max): 0.4 A

Environmental

- Operating Temperature: -40° to 150° F [-40° to 65° C]

LIFE
MagnaCare Warranty

How to Order

MODEL SERIES		DOOR TYPE		FINISH	
DPS		– M		– BK	
DPS	Door Position Switch	**M**	Metal Door	**BK**	Black
		W	Wood Door	**GY**	Gray
				WH	White

Updated 7/13/22 Printed in the U.S.A. Patent pending and/or patent www.assaabloydss.com/patents

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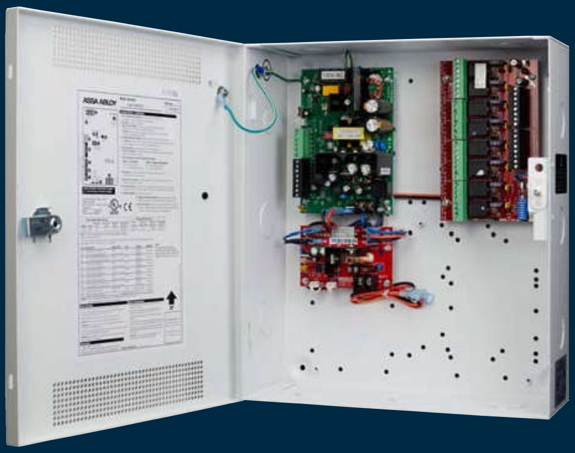
Power

AQL Series

Single, dual & multi-voltage ready intelligent power system



An out-of-the-box solution that offers unique performance and value.

The AQL Series of switching power supplies is an out-of-the-box solution that makes installation easier. It is feature rich, network management ready and available in 12 or 24 VDC single, dual and multi-voltage units.

MagnaCare Warranty
Battery Backup

Features

Standard Features

- Low battery cutoff protects batteries from deep discharge
- Dedicated fast charger prolongs battery life
- Enhanced surge immunity for input/output protection
- LockSafe™ keeps locks cooler by providing a separate, dedicated battery charging circuit
- OutSmart™ technology dual-color LED notification which prevents incorrect voltage application to locking devices [Green: 12 V | Blue: 24 V]
- Auxiliary output rated 1.4 A continuous
- Mix and match UL Listing
- Instant auto-switch to battery on AC loss
- Multi-voltage with B100
- Integrated Fire Alarm Interface (FAI) allows main output shutdown or disconnect on a per output basis when using an R8 output module
- Network ready with optional Netlink™ module
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- Enhanced Network Management
  - AC line voltage monitoring
  - Remote battery monitoring and testing
  - 1000 event data recording
  - Email fault reporting

Specifications

Certifications

- UL 294 Listed
- UL 603 Listed
- UL 1076 Listed
- ULC-S318 Listed
- ULC-S319 Listed
- CSA C22.2 #107.1
- RoHS Compliant

Electrical

- 12 VDC or 24 VDC output
- 12 VDC & 24 VDC output (*optional*) with B100
- 120 or 230 VAC input
- Up to 91% efficiency

Environmental

- Operating Temperature: 32° to 120° F [0° to 49° C]

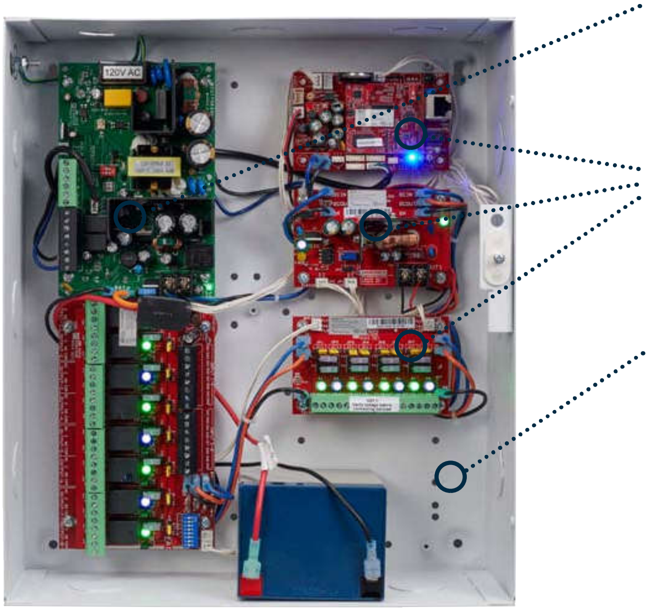
Max Shipping Weight

- 15.50 lbs [7 kg]

Dimensions

- 14"H x 12"W x 4.5"D [355.6mm H x 304.8mm W x 114.3mm D]

Step by Step Configuration



1 *Select One Power Supply Module*

- AQL4
- AQL6
- AQL102
- AQL104

2 *Select Required Modules*[*]

- B100
- R8
- D8
- D8P
- NL4

3 *Choose Enclosure*[**]

- E1

4 *Combine to Generate Final Part Number*

Example:

AQL4 - B100 + D8 + R8 + NL4 + E1 =

AQL4-B100D8R8NL4E1

[*] *When ordering more than one module, indicate quantity before the part number to generate final part number; for example AQL4-3D8E1.*

[**] *No enclosure = Module PCB only. Each module may be ordered separately.*

Models

MODELS	AMPERAGE	RATED VOLTAGE	INPUT VOLTAGE	TYPICAL OUTPUT VOLTAGE	MULTI-VOLTAGE READY	CLASS 2 OUTPUTS
AQL4*	4	12 VDC	120/230 VAC	12.5 or 25 VDC	Yes	Yes
	3	24 VDC				
AQL6	6	12 or 24 VDC	120/230 VAC	12.5 or 25 VDC	Yes	with PTC distribution boards
AQL102	10	12 VDC	120/230 VAC	12.5 VDC	Yes**	with PTC distribution boards
AQL104	10	24 VDC	120/230 VAC	25 VDC	Yes	with PTC distribution boards

**AQL4 is field selectable. **Multi-voltage of 5 to 9 VDC only*

How to Order

POWER SUPPLY MODULE	SECONDARY VOLTAGE MODULE	DISTRIBUTION MODULE	D8 FUSE STYLE	RELAY MODULE	NETLINK MODULE	ENCLOSURE
AQL4	-B100	2D8	P	R8	NL4	E1
AQL4	**(blank)**	**(blank)**	**(blank)** 3 A ATM Fuse	**(blank)**	**(blank)**	**(blank)** Module Only
AQL6	**B100**	**D8**	**P** 2.5 A PTC Polyswitch	**R8**	**NL4**	**E1**
AQL102		**2D8**		**2R8**		
AQL104		**3D8**		**3R8**		
		4D8				
		5D8				
		6D8				

AQL4 in an E1 enclosure has six module spaces where B100, NL4 and D8/D8P each take up one module space. R8 takes up two module spaces.

AQL6, AQL102 and AQL104 in an E1 enclosure has four module spaces where B100 , NL4 and D8/D8P each take up one module space. R8 takes up two module spaces.

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Engineered Openings, Inc.
192 Anderson Circle
Alto, GA 30510
706-776-7356

Schedule of Hardware

By : Debbie Purcell, AHC, CFADI
For : Jackson Co. Airport

Architect: Goodwyn Mills Cawood, LLC
6120 Powers Ferry Rd NW
Atlanta, GA 30339-

Contractor: Sunbelt Builders
10641 Highway 36
Covington, GA 30014-

Date 11/20/2024

Manufacturer's List

Mfr.	Hardware Used
SA	Rim Exit Device, Rim Exit Device Exit Only, Mullion, Electrified Mortise Lock
MK	Hinge, Full Mortise, Hinge, Full Mortise, Hvy Wt, ElectroLynx Harness
RO	Push Plate, Door Stop, Wall Stop, Silencer, Coat Hook, Pull, Door Pull, Kick Plate, Mop Plate
NO	Surface Closer
YA	Core, Bathroom Lock, Storeroom or Closet Lock, Entry Lock, Classroom Lock, Rim Exit Device, Mullion, Rim Cylinder, Mortise Cylinder
PE	Gasketing, Continuous Hinge, Astragal, Rain Guard, Sweep, Threshold
SU	Electric Power Transfer, Position Switch, Power Supply

Project Keying Legend

Project ID: 24-112 Jackson Co. Airport
Job Number: 24-112

Door ID	Opening Location	HW Set ID	Hand	Keying	Lock Information (Mfr \ Part Desc)	
100A	Exterior From Lobby R100	12.0	RHRA/LHR		YA \ 1193 (1193)	Rim Cylinder
					YA \ 1193 (1193)	Rim Cylinder
					SA \ LC TB 56 8804 ETL (8804)	Rim Exit Device
					YA \ 2196 (2196)	Mortise Cylinder
					YA \ 2196 (2196)	Mortise Cylinder
100B	Exterior From Lobby R100	12.0	RHRA/LHR		YA \ 1193 (1193)	Rim Cylinder
					YA \ 1193 (1193)	Rim Cylinder
					SA \ LC TB 56 8804 ETL (8804)	Rim Exit Device
					YA \ 2196 (2196)	Mortise Cylinder
					YA \ 2196 (2196)	Mortise Cylinder
100C	Lobby R100 To Corridor R119	10.0	LH		SA \ LC IDP NAC-82271-24v LNL (NAC-82271-24v)	Electrified Mortise Lock
					YA \ 2196 (2196)	Mortise Cylinder
104	Corridor R107 From Janitor R104	6.0	RHR		YA \ 1210 (1210)	Core
					YA \ AUR 8805FL (8805FL)	Storeroom or Closet Lock
106A	Corridor R107 To Collaboration Room R106	4.0	LH		SA \ LC TB 56 8804 ETL (8804)	Rim Exit Device
106B	Exterior From Collaboration Room R106	1.0	RHRA/LHR		YA \ 7105 121NL (121NL)	Rim Exit Device
					YA \ 1210 (1210)	Core
					YA \ 1210 (1210)	Core
					YA \ 1210 (1210)	Core
					YA \ 2196 (2196)	Mortise Cylinder
					YA \ KRM200 7'2" (KRM200)	Mullion
106C	Exterior From Collaboration Room R106	1.0	RHRA/LHR		YA \ 7105 121NL (121NL)	Rim Exit Device
					YA \ 1210 (1210)	Core
					YA \ 1210 (1210)	Core
					YA \ 1210 (1210)	Core
					YA \ 2196 (2196)	Mortise Cylinder
					YA \ KRM200 7'2" (KRM200)	Mullion
108	Collaboration Room R106 To Supply R108	6.0	RH		YA \ 1210 (1210)	Core
					YA \ AUR 8805FL (8805FL)	Storeroom or Closet Lock
109	Exterior From Mechanical R109	2.0	RHR		YA \ 1210 (1210)	Core
					YA \ AUR 8805FL (8805FL)	Storeroom or Closet Lock
111	Corridor R107 To Pilot's Area R111	10.0	LH		SA \ LC IDP NAC-82271-24v LNL (NAC-82271-24v)	Electrified Mortise Lock
					YA \ 2196 (2196)	Mortise Cylinder
113	Corridor R107 To Elect Data R113	6.0	RH		YA \ 1210 (1210)	Core
					YA \ AUR 8805FL (8805FL)	Storeroom or Closet Lock
114	Corridor R119 To F.B.O R114	8.0	LH		YA \ AUR 8808FL (8808FL)	Classroom Lock
					YA \ 1210 (1210)	Core
115	Directors Office R116 From Stor. R115	5.0	RHR		YA \ AUR 8808FL (8808FL)	Classroom Lock
					YA \ 1210 (1210)	Core
116	Corridor R119 To Directors Office R116	7.0	LH		YA \ AUR 8807FL (8807FL)	Entry Lock
					YA \ 1210 (1210)	Core
117A	Corridor R119 To Lineman Office R117	7.0	RH		YA \ AUR 8807FL (8807FL)	Entry Lock
					YA \ 1210 (1210)	Core

Project Keying Legend

Project ID: 24-112 Jackson Co. Airport
Job Number: 24-112

Door ID	Opening Location	HW Set ID	Hand	Keying	Lock Information (Mfr \ Part Desc)	
117B	Exterior From Lineman Office R117	2.0	LHR		YA \ 1210 (1210) YA \ AUR 8805FL (8805FL)	Core Storeroom or Closet Lock
118	Lineman Office R117 From Stor. R118	5.0	LHR		YA \ AUR 8808FL (8808FL) YA \ 1210 (1210)	Classroom Lock Core
119	Exterior From Corridor R119	2.0	RHR		YA \ 1210 (1210) YA \ AUR 8805FL (8805FL)	Core Storeroom or Closet Lock
120	Office R121 From Stor. R120	5.0	RHR		YA \ AUR 8808FL (8808FL) YA \ 1210 (1210)	Classroom Lock Core
121	Corridor R119 To Office R121	7.0	LH		YA \ AUR 8807FL (8807FL) YA \ 1210 (1210)	Entry Lock Core
122	Corridor R119 To Office R122	7.0	RH		YA \ AUR 8807FL (8807FL) YA \ 1210 (1210)	Entry Lock Core
123	Office R122 From Stor. R123	5.0	LHR		YA \ AUR 8808FL (8808FL) YA \ 1210 (1210)	Classroom Lock Core
124	Lobby R100 From Visitors Office R124	3.0	LHR		SA \ LC IDP NAC-82271-24v LNL (NAC-82271-24v) YA \ 2196 (2196)	Electrified Mortise Lock Mortise Cylinder

DOOR INDEX

Project ID: 24-112 Jackson Co. Airport

Door Number	Arch Mark	Item Number	Heading #	Keying	Hand
100A	100A	25	12.0		RHRA/LHR
100B	100B	26	12.0		RHRA/LHR
100C	100C	21	10.0		LH
102	102	23	11.0		LH
103	103	24	11.0		LH
104	104	12	6.0		RHR
105	105				NH
106A	106A	7	4.0		LH
106B	106B	1	1.0		RHRA/LHR
106C	106C	2	1.0		RHRA/LHR
108	108	13	6.0		RH
109	109	3	2.0		RHR
110	110	20	9.0		LHR
111	111	22	10.0		LH
112A	112A				NH
113	113	14	6.0		RH
114	114	19	8.0		LH
115	115	8	5.0		RHR
116	116	15	7.0		LH
117A	117A	16	7.0		RH
117B	117B	4	2.0		LHR
118	118	9	5.0		LHR
119	119	5	2.0		RHR
120	120	10	5.0		RHR
121	121	17	7.0		LH
122	122	18	7.0		RH
123	123	11	5.0		LHR
124	124	6	3.0		LHR

✓

Heading #: 1.0

1	PRA/PRI	Door: 106B	Exterior From Collaboration Room R106	RHRA/LHR	90 °
1	PRA/PRI	Door: 106C	Exterior From Collaboration Room R106	RHRA/LHR	90 °

2-3' 0" x 7' 0" x 1 3/4" HMD/HMF

4 EA	Continuous Hinge	CFM83HD1		(HC-1) Pemko
2 EA	Mullion	KRM200 7'2"	600	(MU-2) Yale
2 EA	Rim Exit Device	7105 EO	630	(ED-3) Yale
2 EA	Rim Exit Device	7105 121NL	630	(ED-4) Yale
6 EA	Core	1210	626	(CY-2) Yale
2 EA	Mortise Cylinder	2196	626	(CY-3) Yale
4 EA	Pull	RM201 Mtg-Type 1XHD	US32D	(PP-1) Rockwood
4 EA	Surface Closer	CPS8501	689	(CL-2) Norton
4 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
2 EA	Threshold	252A x 72" MS25SS		(TH-2) Pemko
2 EA	Gasketing	S773BL 20'		(GA-2) Pemko
2 EA	Gasketing	5110BL 120"		(GA-3) Pemko
2 EA	Rain Guard	346C 76 x 0"		(GA-4) Pemko
4 EA	Sweep	3452CNB x 36"		(SW-1) Pemko
2 EA	Astragal	297AS x 84"		(AS-1) Pemko

All other hardware by the door supplier

✓

Heading #: 2.0

1	SGL	Door: 109	Exterior From Mechanical R109	RHR	90 °
1	SGL	Door: 117B	Exterior From Lineman Office R117	LHR	90 °
1	SGL	Door: 119	Exterior From Corridor R119	RHR	90 °

3' 0" x 7' 0" x 1 3/4" HMD/HMF

3 EA	Continuous Hinge	CFM83HD1		(HC-1) Pemko
3 EA	Storeroom or Closet Lock	AUR 8805FL	626	(LO-5) Yale
3 EA	Core	1210	626	(CY-2) Yale
3 EA	Surface Closer	CPS8501	689	(CL-2) Norton
3 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
3 EA	Threshold	252A x 36" MS25SS		(TH-1) Pemko
3 EA	Gasketing	S773BL 17'		(GA-1) Pemko
3 EA	Rain Guard	346C x 40" x 0"		(GA-5) Pemko
3 EA	Sweep	3452CNB x 36"		(SW-1) Pemko

✓

Heading #: 3.0

1	SGL	Door: 124	Lobby R100 From Visitors Office R124	LHR	90 °

3' 7/8" x 6' 9 3/4" x 1 3/4" ALD/ALF

2 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
1 EA	Hinge, Full Mortise	TA2714 QC12 4-1/2" x 4-1/2"	US26D	(HI-2) McKinney
1 EA	Electrified Mortise Lock	LC IDP NAC-82271-24v LNL BIKPS-0E SN200	US32D	(LO-1) Sargent
1 EA	Mortise Cylinder	2196	626	(CY-3) Yale
1 EA	Surface Closer	8501	689	(CL-1) Norton
1 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
1 EA	Wall Stop	403	US26D	(ST-1) Rockwood
1 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
1 EA	ElectroLynx Harness	QC-C012		(EA-2) McKinney
1 EA	ElectroLynx Harness	QC-C1500P		(EA-3) McKinney
1 EA	Power Supply	AQL4-R8E1		(PS-2) Securitron

*both stops?

Elevation and Point to Point as required. Notes: Perimeter/meeting stiles seals by frame/door supplier. Electronic Operation: Valid card or code unlocks outside lever or key retracts latchbolt. Request to exit shows authorized egress. Free egress at all times. In case of power loss, door remains locked and latched. Lock included with card reader, door position switch, and request to exit.

Hardware Schedule

Project ID: 24-112 - Jackson Co. Airport

*Confirm if door is swinging the opposite to receive panic. Original spec had a passage lock, not electrified.

Heading #: 4.0

✓

1	SGL	Door: 106A	Corridor R107 To Collaboration Room R106	LH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

2 EA	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	(HI-3) McKinney
1 EA	Hinge, Full Mortise, Hvy Wt	T4A3786 QC12 4-1/2" x 4-1/2" Middle hinge	US26D	(HI-4) McKinney
1 EA	Rim Exit Device	LC TB 56 8804 ETL SN200 BIKPS-0E	US32D	(ED-1) Sargent
1 EA	Surface Closer	8501	689	(CL-1) Norton
1 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
1 EA	Wall Stop	403	US26D	(ST-1) Rockwood
1 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
3 EA	Silencer	608-RKW		(SI-1) Rockwood
1 EA	ElectroLynx Harness	QC-C012		(EA-2) McKinney
1 EA	ElectroLynx Harness	QC-C1500P		(EA-3) McKinney
1 EA	Power Supply	AQL4-R8E1		(PS-2) Securitron

*add cylinder

Elevation and Point to Point as Specified. Notes: Electronic Operation: Valid Card or code unlocks outside lever or key retracts latchbolt. Request to exit shows authorized egress. Free Egress at all times. In case of power loss, door remains locked and latched. Lock included with card reader, door poistion switch, and request to exit.

Heading #: 5.0

✓

1	SGL	Door: 115	Directors Office R116 From Stor. R115	RHR	90 °
1	SGL	Door: 118	Lineman Office R117 From Stor. R118	LHR	90 °
1	SGL	Door: 120	Office R121 From Stor. R120	RHR	90 °
1	SGL	Door: 123	Office R122 From Stor. R123	LHR	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

12 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
4 EA	Classroom Lock	AUR 8808FL	626	(LO-3) Yale
4 EA	Core	1210	626	(CY-2) Yale
4 EA	Wall Stop	403	US26D	(ST-1) Rockwood
4 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
12 EA	Silencer	608-RKW		(SI-1) Rockwood

*both stops?

Heading #: 6.0

✓

1	SGL	Door: 104	Corridor R107 From Janitor R104	RHR	90 °
1	SGL	Door: 108	Collaboration Room R106 To Supply R108	RH	90 °
1	SGL	Door: 113	Corridor R107 To Elect Data R113	RH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

9 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
3 EA	Storeroom or Closet Lock	AUR 8805FL	626	(LO-5) Yale
3 EA	Core	1210	626	(CY-2) Yale
3 EA	Surface Closer	8501	689	(CL-1) Norton
3 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
3 EA	Wall Stop	403	US26D	(ST-1) Rockwood
3 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
9 EA	Silencer	608-RKW		(SI-1) Rockwood

*both stops?

✓

Heading #: 7.0

1	SGL	Door: 116	Corridor R119 To Directors Office R116	LH	90 °
1	SGL	Door: 117A	Corridor R119 To Lineman Office R117	RH	90 °
1	SGL	Door: 121	Corridor R119 To Office R121	LH	90 °
1	SGL	Door: 122	Corridor R119 To Office R122	RH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

12 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
4 EA	Entry Lock	AUR 8807FL	626	(LO-4) Yale
4 EA	Core	1210	626	(CY-2) Yale
4 EA	Wall Stop	403	US26D	(ST-1) Rockwood
4 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
12 EA	Silencer	608-RKW		(SI-1) Rockwood

*both stops?

✓

Heading #: 8.0

1	SGL	Door: 114	Corridor R119 To F.B.O R114	LH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

3 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
1 EA	Classroom Lock	AUR 8808FL	626	(LO-3) Yale
1 EA	Core	1210	626	(CY-2) Yale
1 EA	Surface Closer	8501	689	(CL-1) Norton
1 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
1 EA	Wall Stop	403	US26D	(ST-1) Rockwood
1 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
3 EA	Silencer	608-RKW		(SI-1) Rockwood

*both stops?

✓

Heading #: 9.0

1	SGL	Door: 110	Pilot's Area R111 From Bath R110	LHR	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

3 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
1 EA	Bathroom Lock	AUR 8862FL V21	626	(LO-2) Yale
1 EA	Surface Closer	8501	689	(CL-1) Norton
1 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
1 EA	Mop Plate	K1050 4" x 35" CSK	US32D	(KP-3) Rockwood
1 EA	Wall Stop	403	US26D	(ST-1) Rockwood
1 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
3 EA	Silencer	608-RKW		(SI-1) Rockwood
1 EA	Coat Hook	RM802	US32D	(OT-1) Rockwood

*both stops?

✓

Heading #: 10.0

1	SGL	Door: 100C	Lobby R100 To Corridor R119	LH	90 °
1	SGL	Door: 111	Corridor R107 To Pilot's Area R111	LH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

4 EA	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	(HI-1) McKinney
2 EA	Hinge, Full Mortise	TA2714 QC12 4-1/2" x 4-1/2"	US26D	(HI-2) McKinney
2 EA	Electrified Mortise Lock	LC IDP NAC-82271-24v LNL BIKPS-0E SN200	US32D	(LO-1) Sargent
2 EA	Mortise Cylinder	2196	626	(CY-3) Yale
2 EA	Surface Closer	8501	689	(CL-1) Norton
2 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
2 EA	Wall Stop	403	US26D	(ST-1) Rockwood
2 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
6 EA	Silencer	608-RKW		(SI-1) Rockwood
2 EA	ElectroLynx Harness	QC-C012		(EA-2) McKinney
2 EA	ElectroLynx Harness	QC-C1500P		(EA-3) McKinney
2 EA	Power Supply	AQL4-R8E1		(PS-2) Securitron

*both stops?

Elevation and Point to Point as Specified. Electronic Operation: Valid card or code unlocks outside lever or key retracts latchbolt. Request to exit shows authorized egress. Free egress at all times. In case of power loss, door remains locked and closed. Lock included with card reader, door positioin switch and request to exit.

Hardware Schedule

Project ID: 24-112 - Jackson Co. Airport

Heading #: 11.0

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1	SGL	Door: 102	Corridor R107 To Mens RR R102	LH	90 °
1	SGL	Door: 103	Corridor R107 To Womens RR R103	LH	90 °

3' 0" x 7' 0" x 1 3/4" WDD/HMF

6 EA	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	(HI-3) McKinney
2 EA	Door Pull	RM3300-13 Mtg-Type 1	US32D	(PP-2) Rockwood
2 EA	Push Plate	70C-RKW	US26D	(PP-3) Rockwood
2 EA	Surface Closer	8501	689	(CL-1) Norton
2 EA	Kick Plate	K1050 10" x 34" CSK	US32D	(KP-2) Rockwood
2 EA	Mop Plate	K1050 4" x 35" CSK	US32D	(KP-3) Rockwood
2 EA	Wall Stop	403	US26D	(ST-1) Rockwood
2 EA	Door Stop	441CU	US26D	(ST-2) Rockwood
6 EA	Silencer	608-RKW		(SI-1) Rockwood

*both stops?

Heading #: 12.0

✓

1	PRA/PRI	Door: 100A	Exterior From Lobby R100	RHRA/LHR	90 °
1	PRA/PRI	Door: 100B	Exterior From Lobby R100	RHRA/LHR	90 °

2-2' 11" x 7' 0" x 1 3/4" ALD/ALF

4 EA	Continuous Hinge	CFM83SLF PT		(HC-3) Pemko
4 EA	Electric Power Transfer	EL-CEPT	630	(PT-1) Securitron
2 EA	Mullion	L980S 86"	PC	(MU-1) Sargent
2 EA	Rim Exit Device Exit Only	TB 55 8810 EO	US32D	(ED-2) Sargent
2 EA	Rim Exit Device	~~LC TB 56 8804 ETL~~	US32D	(ED-1) Sargent
4 EA	Mortise Cylinder	2196	626	(CY-3) Yale
4 EA	Rim Cylinder	1193	626	(CY-4) Yale
4 EA	~~Pull~~	~~RM201 Mtg-Type 1XHD~~	US32D	(PP-1) Rockwood
4 EA	Surface Closer	CPS8501	689	(CL-2) Norton
2 EA	Threshold	252A x 72" MS25SS		(TH-2) Pemko
2 EA	Gasketing	5110BL 120"		(GA-3) Pemko
2 EA	Rain Guard	346C 76 x 0"		(GA-4) Pemko
4 EA	Sweep	3452CNB x 36"		(SW-1) Pemko
4 EA	ElectroLynx Harness	QC-C012		(EA-2) McKinney
4 EA	ElectroLynx Harness	QC-C1500P		(EA-3) McKinney
4 EA	Position Switch	DPS-M-BK		(EC-1) Securitron
2 EA	Power Supply	AQL4-R8E1		(PS-2) Securitron

Elevation and Point to Point as Specified. Electronic Operation: Valid card or code unlocks outside lever or key retracts latchbolt. Request to exit shows authorized egress. Free egress at all times. In case of power loss, door remains locked and closed. Lock included with card reader, door positioin switch and request to exit.

*If SN series, add the correct part number per previous spec, pull is not necessary.