DIMENSIONS
Inches
(Millimeters)

"B"

.980 [24.9]   .63 [15.9]   1.00 [25.4]

"A"

1.587 [40.3]

6.38 [162]

5.80 [147.3]

6.81 [173]

1.437 [36.5]

2.769 [70.3]

.42 [10.6]

.62 [15.7]

"A" RADIUS

"A" FLAT

"A" BEVEL

HOW BACKSET IS MEASURED
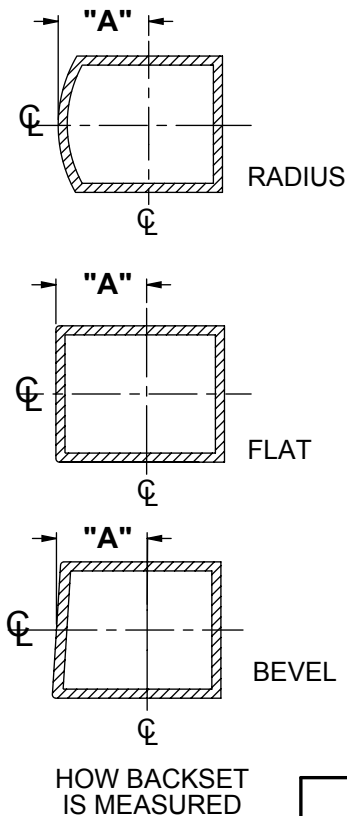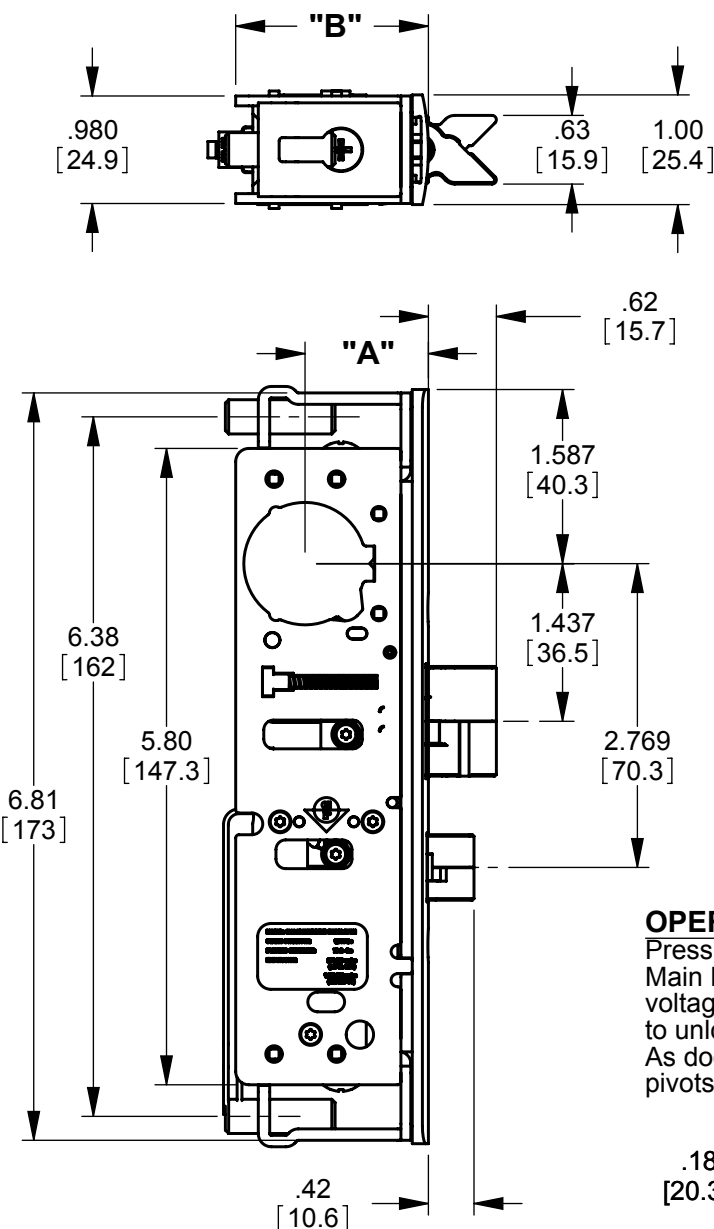
BACKSET "A"	DIM."B"
31/32"	1.60
(24.6)	40.6
1-1/8"	1.76
(28.6)	44.6
1-1/2"	1.75
(38.1)	44.5

Flat Face Plate can be adjusted for right or left beveled edge doors. Radius Weather Strip is optional.

AVAILABLE FACEPLATES
FLAT

RADIUS

RADIUS WEATHER STRIP

STILE PREPARATION

"A"

1.594 [40.48]

6.885 [174.9] +.005 -.000

+.38 -.00

1.010 +.015 -.000

[25.7 +0.4 0]

R.156 [3.96] TYP.

BACK OF STILE

6.38 [162.1]

2x #10-32 UNC-2B

OPERATION INSTRUCTION
Press Aux Latch to secure Main Latch. Turn key, apply voltage, or operate Paddle/Handle to unlock Main Latch. As door opens, Main Latch pivots and collapses.

Turning Key / Handle / Paddle DOES NOT pull Main Latch Assy.

CYLINDER CAM
4300 Series Deadlatches are operable by any standard 1-5/32" diameter Mortise cylinder with special MS® cam dimensioned as shown. Cylinders with MS® cams can be readily obtained from most cylinder manufacturers. See catalog for cylinder make and trim ring information.

.182 [20.32]

R.120 [3.0]

CYLINDER

.611 [15.52]

CAM TOLERANCE: ±.005 (±.13)

FOR OPTIMUM LOCK PERFORMANCE, THE GAP BETWEEN THE DOOR AND FRAME MUST MEET INDUSTRY STANDARDS OF AN 1/8"

DOOR TO JAMB EDGE

5.375 [136.5]

4.635 [117.7]

.06 [1.5]

.570 [14.5]
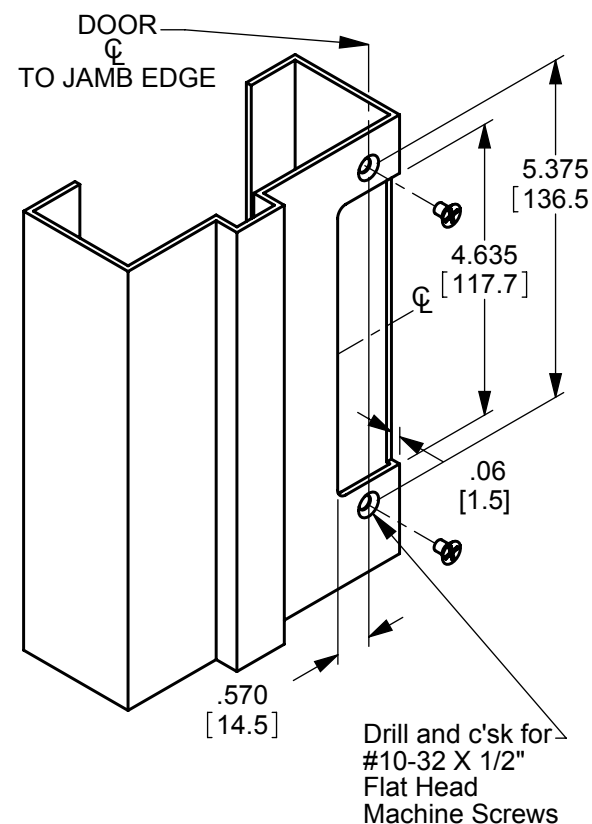
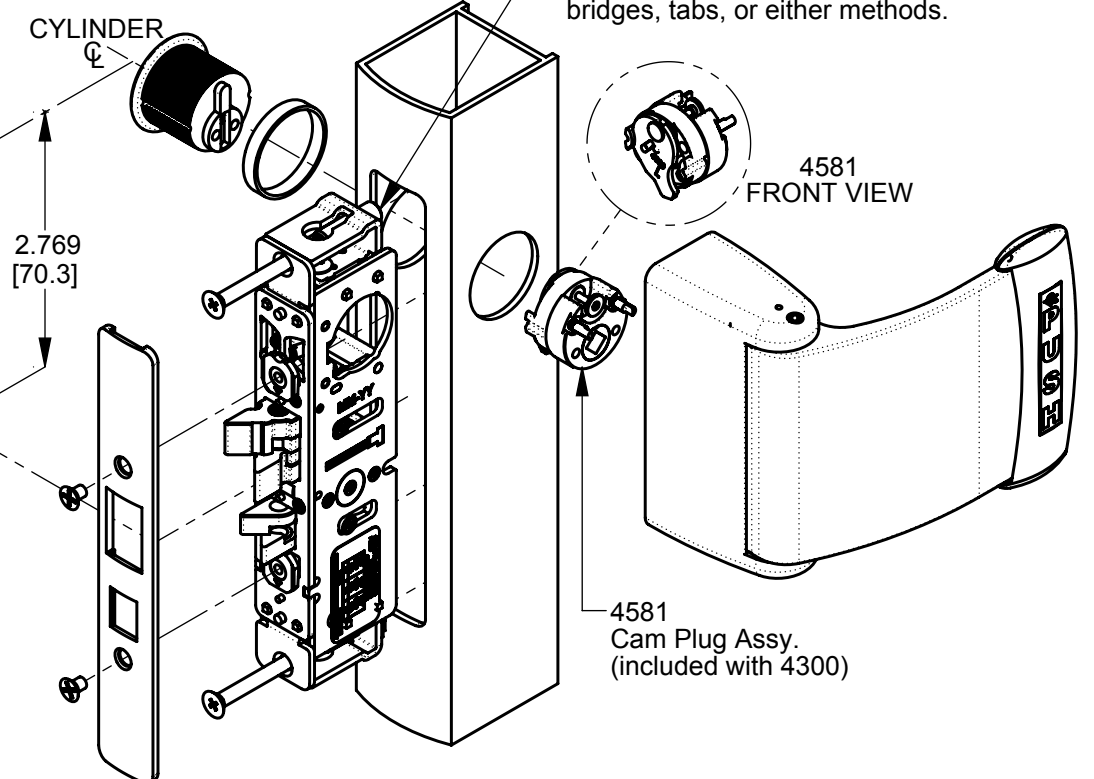Drill and c'sk for #10-32 X 1/2" Flat Head Machine Screws

INSTALLATION
(Must use a Face Plate for installation)

CYLINDER

1.437 [36.5]

2.769 [70.3]

Adjustable Mounting Tube Bracket may be removed for mounting on bridges, tabs, or either methods.

4581 FRONT VIEW

4581 Cam Plug Assy. (included with 4300)

Adams Rite — Adams Rite Manufacturing Co. 260 Santa Fe Street, Pomona, CA 91767 Phone: 909-632-2300 Fax: 909-632-2369 www.adamsrite.com

ASSA ABLOY

4300 SERIES ELECTRIFIED DEADLATCH

80-0180-421   Rev. D   ECN:11899

PRODUCT MUST BE INSTALLED ACCORDING TO ALL APPLICABLE BUILDING AND LIFE SAFETY CODES

INSTALLATION INSTRUCTIONS

Page 1 of 2   Appvd: MP   Date: 03/16/12

FOR TRADITIONAL MOUNTING INSTALLATIONS

- Measure the depth from the back of the stile to the inside wall of door edge (Fig. 1).
- Match the distance from the face of the Mounting Plate to the end of Tube Spacer. Use 3/16" Hex Key for fine adjustment (Fig. 2).

Fig. 1
Fig. 2

Depth Dim.
Tube Spacer
Inside Stile wall
Depth Dim.
3/16" Hex Key
Mounting Plate
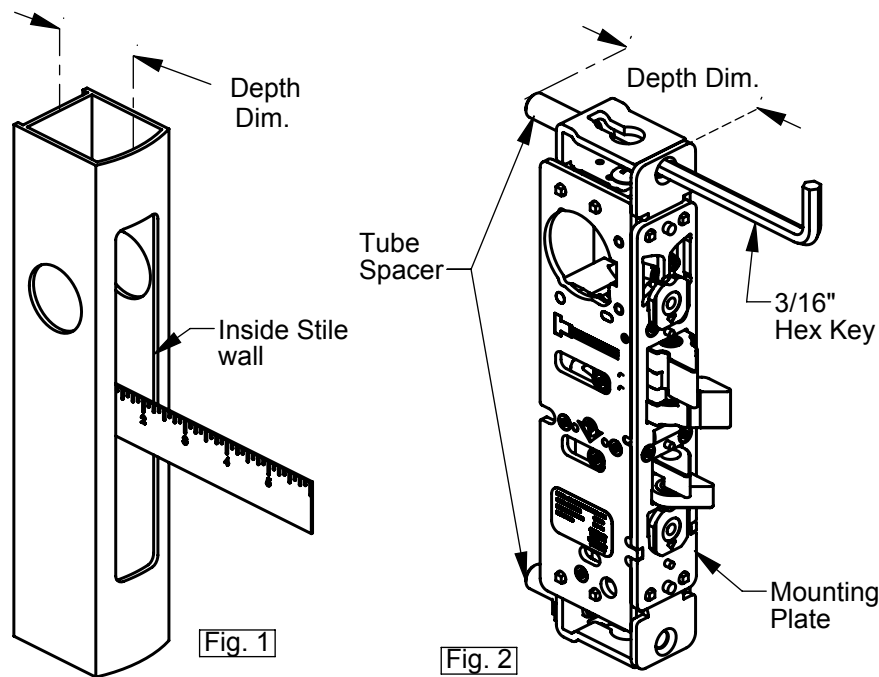
FOR MOUNTING TAB INSTALLATIONS

- Remove top and bottom #8-32 x 5/16" Truss Head Screw as shown (Fig. 3).
- Remove Yoke, and refasten #8-32 x 5/16" Truss Head Screw (Fig. 4).

#8-32 x 5/16" Truss Head Screw
Yoke
Fig. 3
Fig. 4
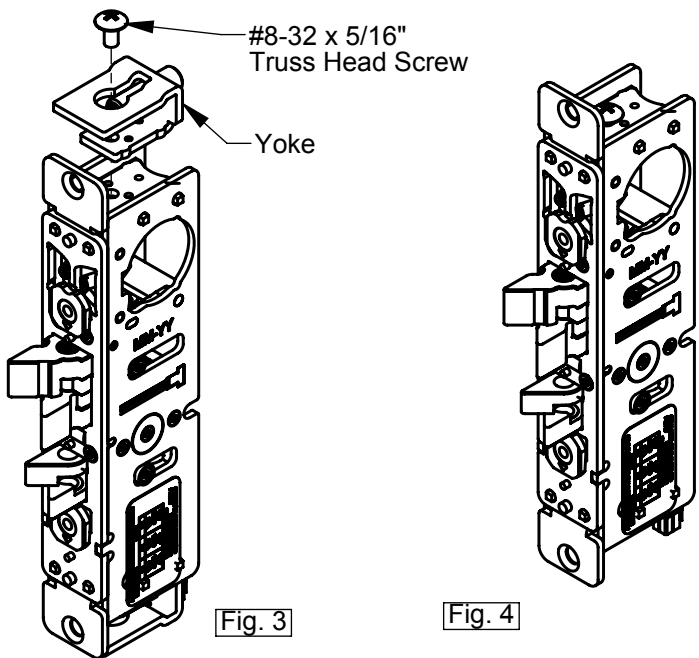
BEVEL ADJUSTMENT

- Rotate Bevel Tab to desired hand (Fig. 5).
  Using the bevel adjustment allows the Flat Faceplate to work in beveled stiles. Radius and Flat Faceplates are included.

FLAT FACE PLATE NEUTRAL POSITION
Bevel Tab
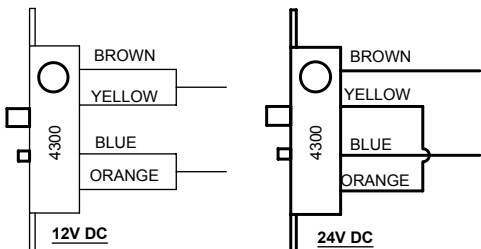RHR BEVEL POSITION
Fig. 5
LHR BEVEL POSITION
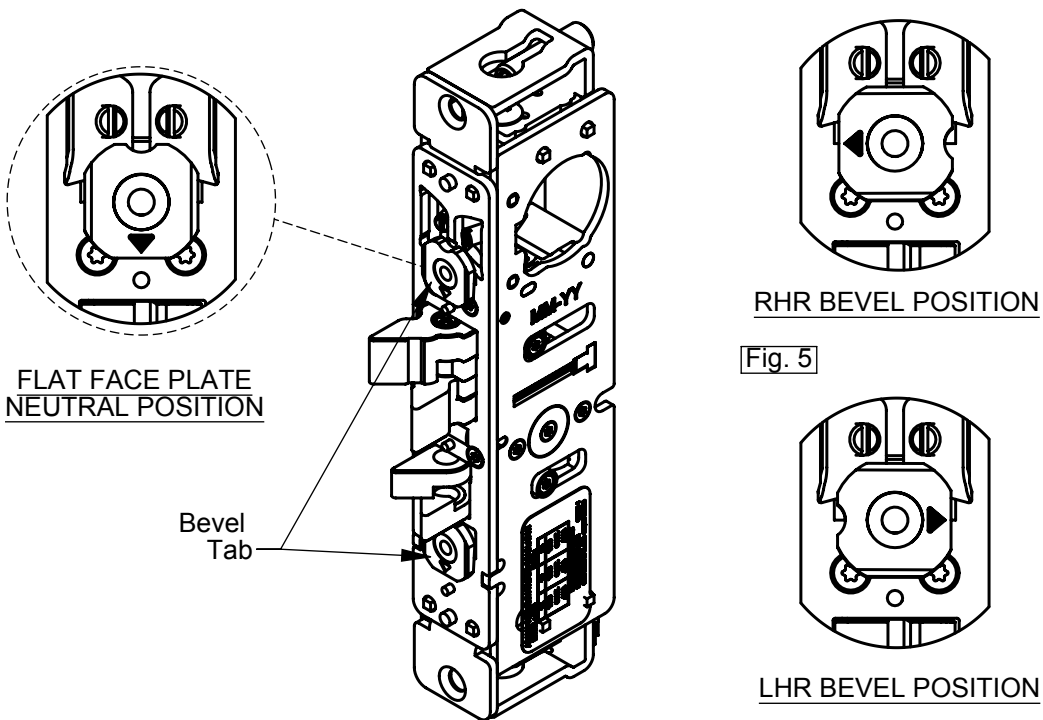
FOR RADIUS WITH WEATHERSEAL FACEPLATE ONLY

- With a small screwdriver, remove bevel tabs as shown (Fig. 6)

RADIUS WEATHERSEAL FACEPLATES ONLY
Remove Bevel Tabs
Screwdriver
Fig. 6
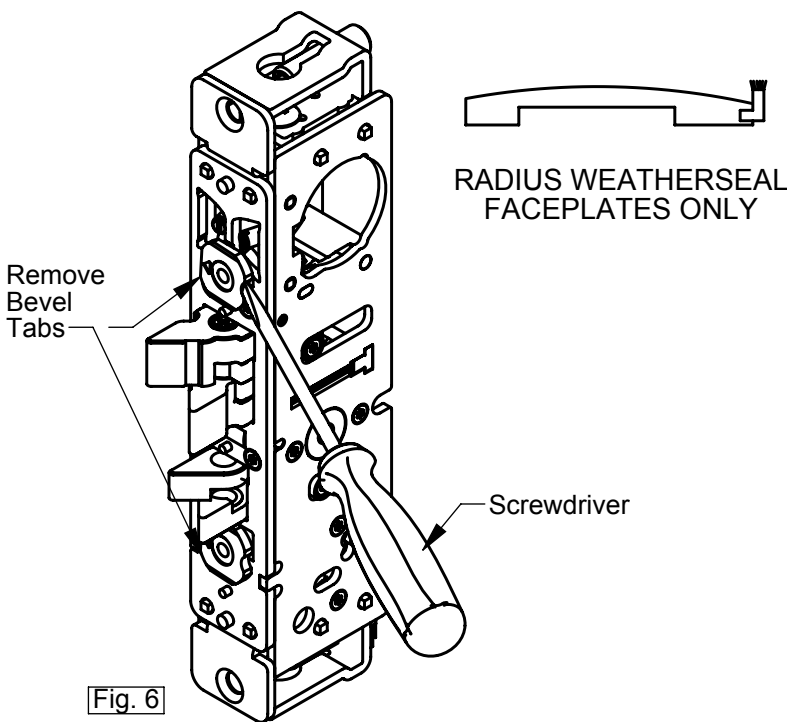
SOLENOID SPECIFICATION

SOLENOID AVAILABLE VOLTAGES
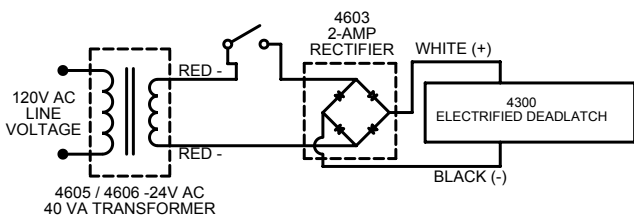12V DC CONTINUOUS DUTY,
24V DC CONTINUOUS DUTY.

SOLENOID WIRING DIAGRAM

4300
BROWN
YELLOW
BLUE
ORANGE
12V DC

4300
BROWN
YELLOW
BLUE
ORANGE
24V DC

4300 WIRING DIAGRAM
INTERMITTENT / CONTINUOUS DUTY 12 / 24V DC

120V AC LINE VOLTAGE
RED -
4603 2-AMP RECTIFIER
WHITE (+)
4300 ELECTRIFIED DEADLATCH
RED -
BLACK (-)
4605 / 4606 -24V AC 40 VA TRANSFORMER

VOLTAGE ADAPTOR CABLE			
P/N#	WIRE COLOR	APPLICATION	SOLENOID CURRENT DRAW
VA7400-12	BLACK	12V DC	0.44 AMPS
VA7400-24	RED	24V DC	0.24 AMPS

4300 SERIES ELECTRIFIED DEADLATCH

Fig. 7
WIRES BUNDLE
VOLTAGE ADAPTOR CABLE

- LOOP THE WIRES BUNDLE FROM 4300 ELECTRIFIED 'S SOLENOID UNDER AND AROUND ITS HOUSING AS SHOWN (Fig.7).
- EXTEND THE WIRES RUN FROM THE POWER SOURCE AND THROUGH THE STILE PREPARATION.
- CONNECT THE WIRE TO THE VOLTAGE ADAPTOR CABLE.
- ATTACH VOLTAGE ADAPTOR CABLE TO 4300 WIRES BUNDLE AS SHOWN.

MONITORING (OPTIONAL)

MONITORED DEADLATCH CONTAINS AN INTERNALLY MOUNTED SWITCH. THIS SWITCH IS ACTIVATED WHEN THE DOOR IS IN CLOSE POSITION. ALL UNUSED LEADS FROM THE MONITOR SWITCH MUST BE INSULATED.

Common contact   - Black
Normally Open contact   (N.O.) - White
Normally Closed contact (N.C.)   - Red
Maximum switching current   - 0.1 Amps @ 125 VAC

EXAMPLE WIRING DIAGRAM WITH N.O. MONITORING

Black
White
Red
Access Control System
4300 MONITOR

Black = Common
White = N.O. contact (Dry)
Red = N.C. contact (Dry)
Unused wires must be cut such that no exposed wire will touch any metallic surface

Note: NOT intend to be a Rex switch.

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