



ACCURATE
LOCK & HARDWARE
AMERICAN CRAFTED SINCE 1972

LR-SDS Ligature Resistant Sliding Door System

IMPROVE SAFETY. SAVE SPACE. ENHANCE PATIENT DIGNITY.

LR-SDS

LIGATURE RESISTANT SLIDING DOOR SYSTEM

SEAMLESS

- Concealed track system hangs a 1³/₄" thick door with minimal surface applied gap without any exposed anchor points or cavities
- Concealed floor guide keeps door flush against wall
- Concealed vertical rod bolt locks into track providing privacy with no accessible latch bolt or strike
- Ligature resistant thumb turn and flush pull

SAFE

- Top door edge not accessible as a ligature point
- Eliminates barricade tactics and using door as a weapon

SECURE

- Privacy function and keyed deadbolt available. Mortise and tubular lock options available based on application (mortise functions will require a cover plate on door edge, while tubular functions install without any visible door prep)
- Includes a clutch override feature so staff can gain entry in barricade situations
- In addition to locking in the "closed" position, other positions can be added (e.g. locked in open position)

SILENT

- Dampened closure allows quiet operation and prevents slamming doors

SPACE SAVING

- Contributes to a smaller patient room design saving up to 45% of space



REMOVABLE STOP



TRACK CLOSE UP



TRACK CUTAWAY



FLOOR GUIDE

LR-SDS

FOR BEHAVIORAL HEALTHCARE ENVIRONMENTS

DURABILITY

- Strength tested to meet or exceed one 150 ft-lb impact per section 6.1.1.2 of ANSI A250.13-2014. System withstands abuse and continues to function even after door failure.
- The LR-SDS comes with a shoe that provides structural integrity against lateral forces applied by patient abuse.* This captures the lower leading edge of the door when in the closed position.
- Withstood simulated abuse testing by architectural consultant with door 6” open.

**The use of reinforced hollow metal doors is recommended for high abuse environments.*

LOAD CAPACITY

- There are two ball bearing blocks, each having a dynamic load capacity of 1240lbs

Please note: There is currently no “Open Door” ASTM/ANSI/ASHE performance standards for sliding doors beyond ADA compliance, acoustics and force applied to them. Existing standards only evaluate a closed and secure door.



LR-SDS: Functions



LR-SDS-0 PASSAGE

Non-locking function.

Solution includes:

- Ligature resistant track
- (2) U7001AL flush pulls



LR-SDS-5 PRIVACY

Vertical rod bolt operated by emergency release outside.

Thumb turn inside.

Outside emergency release will override inside thumb turn if forcibly held.

Solution includes:

- Ligature resistant track
- 161-VR vertical bolt
- LR-ADA thumb turn with clutch
- LR-ER emergency release
- (2) U7001AL flush pulls



LR-SDS-5i PRIVACY WITH INDICATOR

Vertical rod bolt operated by thumb turn inside, emergency release outside.

Outside emergency release will override inside thumb turn if forcibly held.

Solution includes:

- Ligature resistant track
- 161-VR vertical bolt
- LR-ADA thumb turn with clutch
- LR-ERi emergency release with indicator
- (2) U7001AL flush pulls



LR-SDS-5H HOSPITAL PRIVACY

Vertical rod bolt operated by thumb turn inside and outside.

Outside thumb turn will override inside thumb turn if forcibly held.

Solution includes:

- Ligature resistant track
- 161-VR vertical bolt
- (2) LR-ADA thumb turns with clutch
- (2) U7001AL flush pulls



LR-SDS-5Hi HOSPITAL PRIVACY WITH INDICATOR

Vertical rod bolt operated by thumb turns inside and outside.

Outside thumb turn will override inside thumb turn if forcibly held.

Solution includes:

- Ligature resistant track
- 161-VR vertical bolt
- (2) LR-ADAI thumb turns with clutch and indicators
- (2) U7001AL flush pulls

LR-SDS: Functions



LR-SDS-9501 SINGLE CYLINDER FUNCTION

Vertical rod bolt operated by cylinder outside to lock/unlock door.

Solution includes:

- Ligature resistant track
- 9501-VR mortise vertical rod
- (2) U7001AL flush pulls

Mortise cylinders and collars required (specify separately).



LR-SDS-9502 DOUBLE CYLINDER FUNCTION

Vertical rod bolt operated by cylinder either side to lock/unlock door.

Solution includes:

- Ligature resistant track
- 9502-VR mortise vertical rod
- (2) U7001AL flush pulls

Mortise cylinders and collars required (specify separately).



LR-SDS-9503ST-i INSTITUTIONAL PRIVACY WITH INDICATOR

Vertical rod bolt operated by cylinder outside to lock/unlock door. When door is locked (reflected on cylinder indicator outside), thumb turn inside will retract the bolt to allow egress (thumb turn will not lock door).

Solution includes:

- Ligature resistant track
- 9503-VR mortise vertical rod
- 7200Sci cylinder indicator
- LR-ADA turn piece with clutch
- (2) U7001AL flush pulls

Mortise cylinder and collar required (specify separately).



LR-SDS-9503ST CLASSROOM DEADLOCK FUNCTION

Vertical rod bolt operated by cylinder outside to lock/unlock door.

When door is locked, thumb turn inside will retract the bolt to allow egress (thumb turn will not lock door)

Solution includes:

- Ligature resistant track
- 9503ST-VR mortise vertical rod
- LR-ADA thumb turn
- (2) U7001AL flush pulls

Mortise cylinder and collar required (specify separately).



LR-SDS-9505 PRIVACY

Vertical rod bolt operated by thumb turn inside, emergency release outside. Outside emergency release will override inside thumb turn if forcibly held.

Solution includes:

- Ligature resistant track
- 9505-VR vertical rod
- LR-ADA thumb turn with clutch
- LR-ER emergency release
- (2) U7001AL flush pulls



LR-SDS-9505i PRIVACY WITH INDICATOR

Vertical rod bolt operated by LR-ERi emergency release outside. LR-ADA thumb turn inside. Outside LR-ERi will override inside thumb turn if forcibly held.

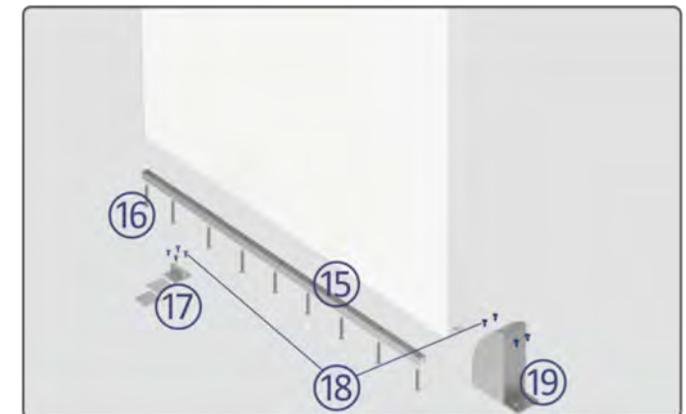
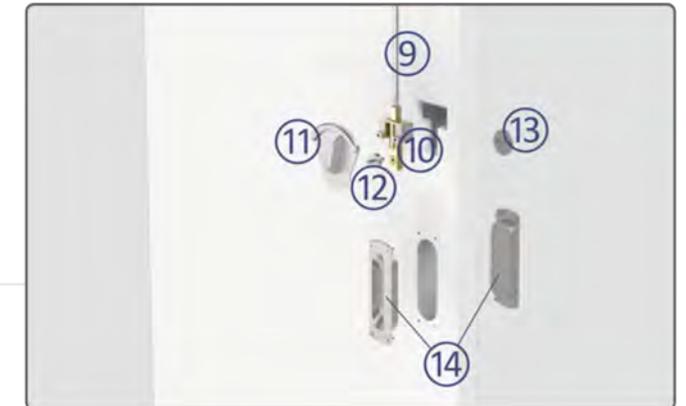
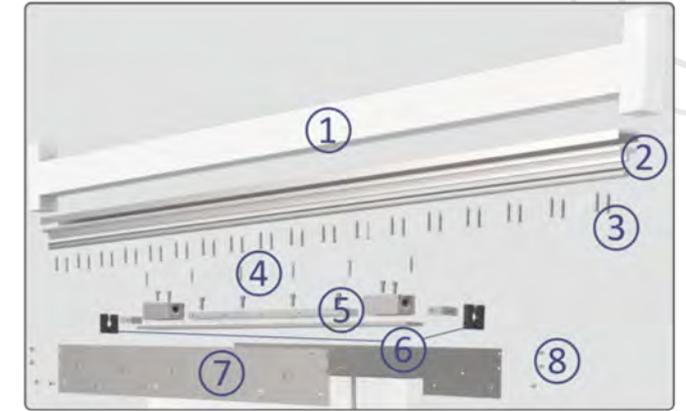
Solution includes:

- Ligature resistant track
- 9505-VR mortise vertical bolt
- LR-ADA thumb turn with clutch
- LR-ERi emergency release with indicator
- (2) U7001AL flush pulls

LR-SDS: Assembly

LR-SDS-5 PRIVACY FUNCTION

LR-SDS-5 ASSEMBLY	
1	Header (by others)
2	Bearing Track Assembly: <ul style="list-style-type: none"> Ligature Resistant Skirt Bearing Guide Assembly
3	#8 x 2" Construction Screws
4	#9 x 2 1/2" Construction Screws
5	Bearing Mounting Assembly: <ul style="list-style-type: none"> Bearing Mounting Screws Ball Bearing Blocks Bearing Mounting Bracket Support Bearing Blocks
6	Ligature Resistant Caps
7	Cover Plates
8	#8 x 1/2" Pin-in Torx® Mounting Screws
9	Locking Rod
10	161-VR Bolt
11	LR-ADA Thumb Turn
12	Clutch
13	Emergency Release
14	U7001AL Flush Pull
15	Bottom Guide Channel Liner
16	#8 x 3/4" Construction Screws
17	Bottom Guide with Shim Kit
18	3/16" x 1 1/4" Tapcon® Anchor Screws
19	Ligature Resistant Shoe (when ordered)

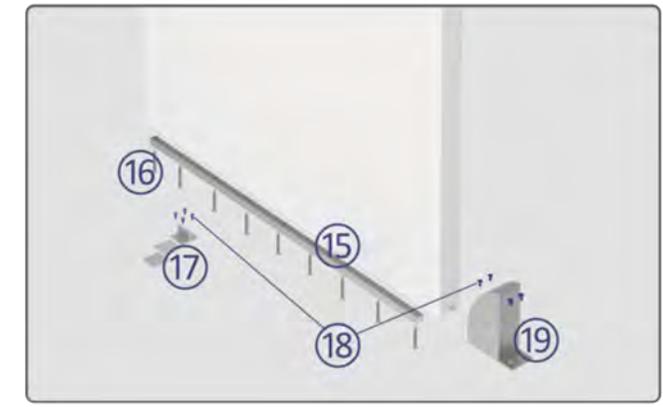
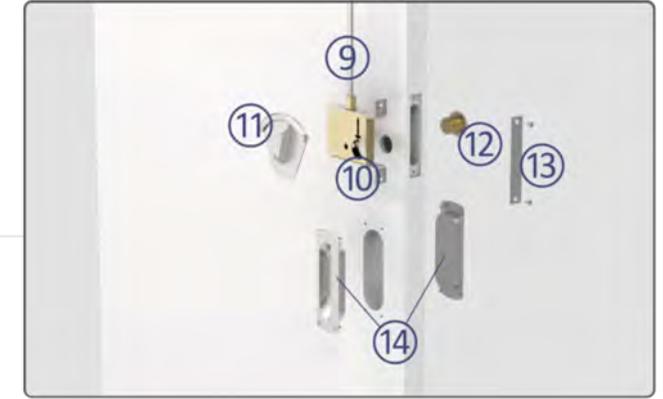
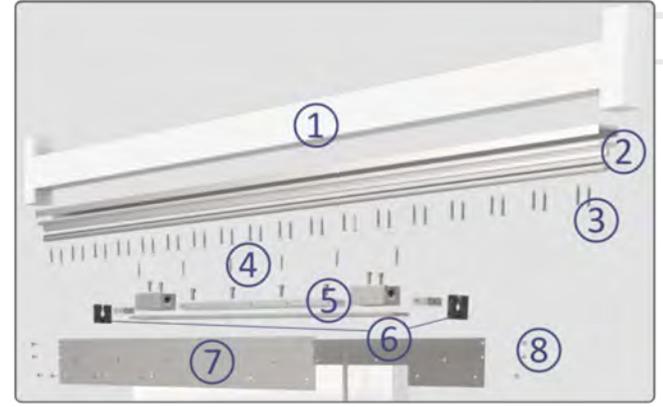




LR-SDS: Assembly

LR-SDS-9503ST CLASSROOM DEADLOCK FUNCTION

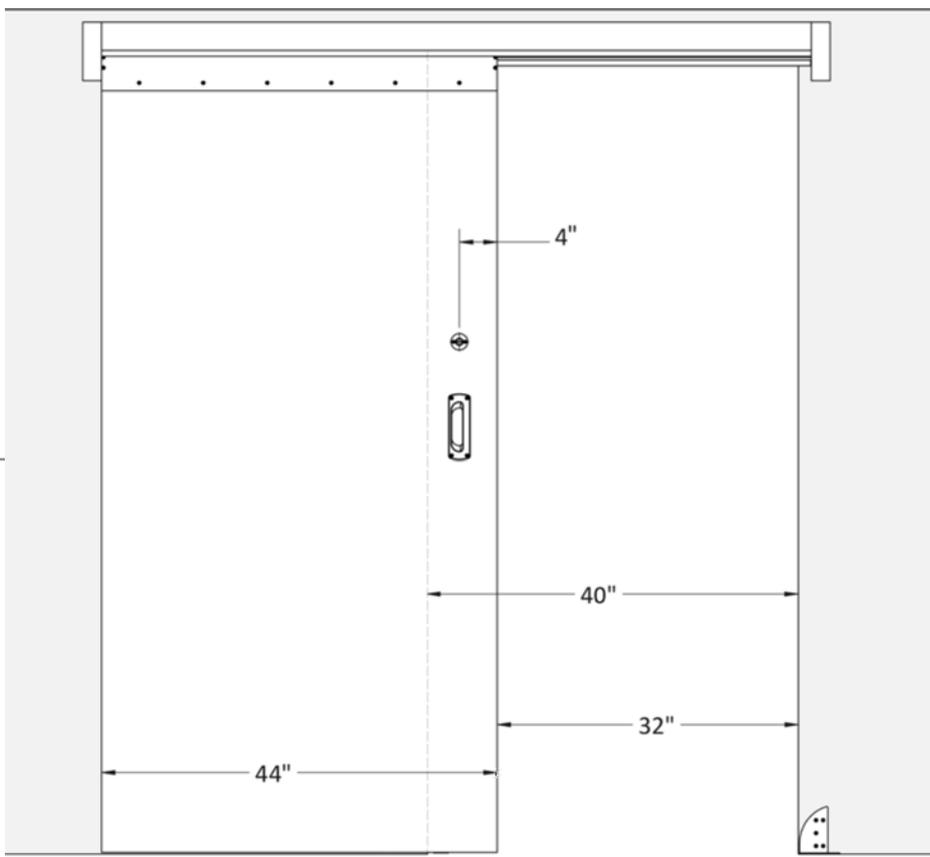
LR-SDS-9503ST ASSEMBLY	
1	Header (by others)
2	Bearing Track Assembly: <ul style="list-style-type: none"> • Ligature Resistant Skirt • Bearing Guide Assembly
3	#8 x 2" Construction Screws
4	#9 x 2 1/2" Construction Screws
5	Bearing Mounting Assembly: <ul style="list-style-type: none"> • Bearing Mounting Screws • Ball Bearing Blocks • Bearing Mounting Bracket • Support Bearing Blocks
6	Ligature Resistant Caps
7	Cover Plates
8	#8 x 1/2" Pin-in Torx® Mounting Screws
9	Locking Rod
10	9500VR Vertical Rod Bolt (9503ST-VRT)
11	LR-ADA Thumb Turn
12	Mortise Cylinder (specify separately)
13	9500VR Faceplate
14	U7001AL Flush Pull
15	Bottom Guide Channel Liner
16	#8 x 3/4" Construction Screws
17	Bottom Guide with Shim Kit
18	Tapcon® Anchors for Concrete
19	Ligature Resistant Shoe (when ordered)



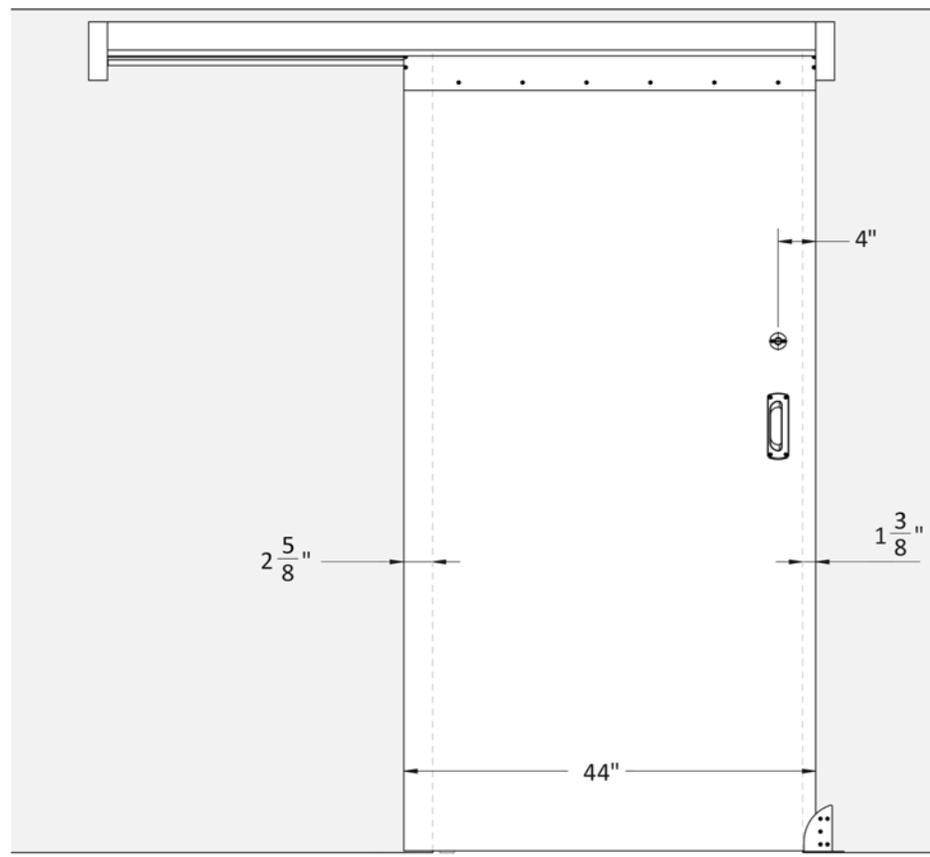


LR-SDS: Opening Specifications, Outside View

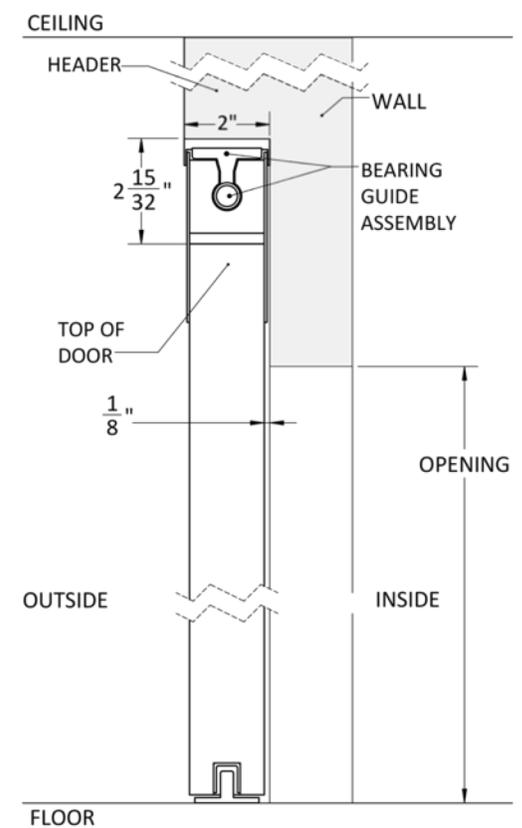
LR-SDS-5 PRIVACY FUNCTION



OPEN



CLOSED

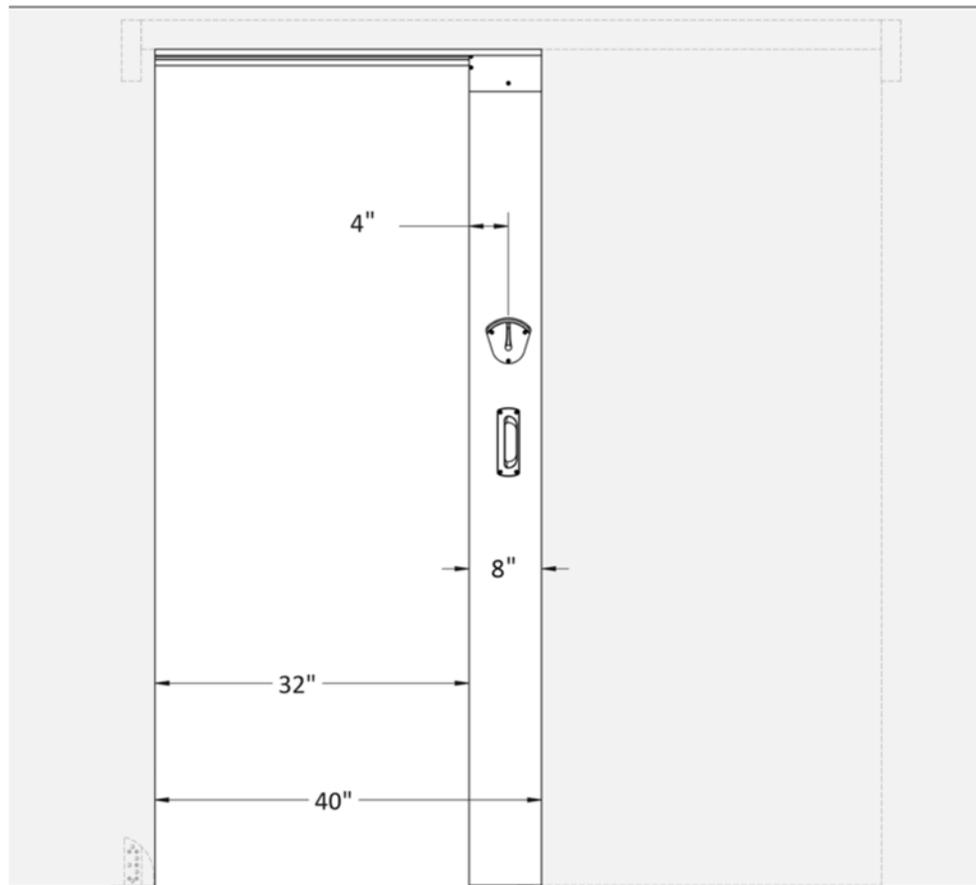


**RECOMMENDED
HEADER**

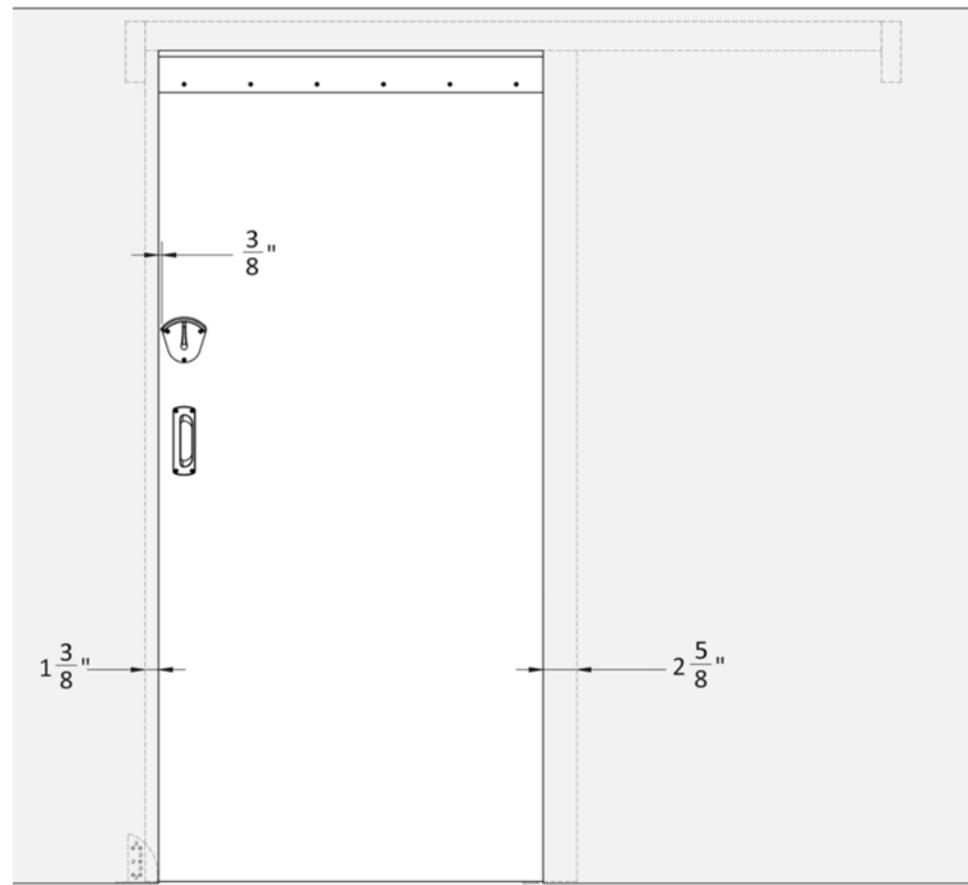


LR-SDS: Opening Specifications, Inside View

LR-SDS-5 PRIVACY FUNCTION



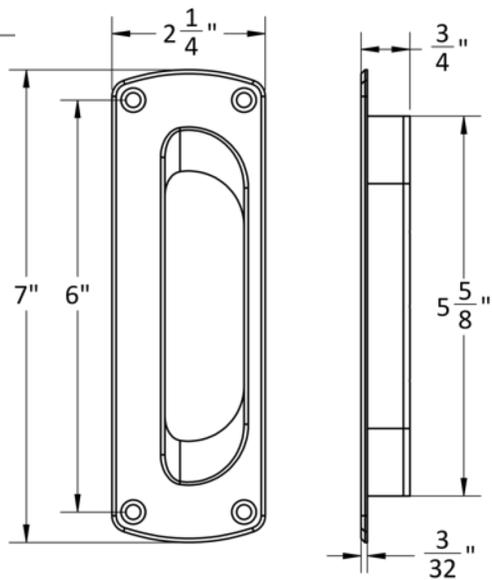
OPEN



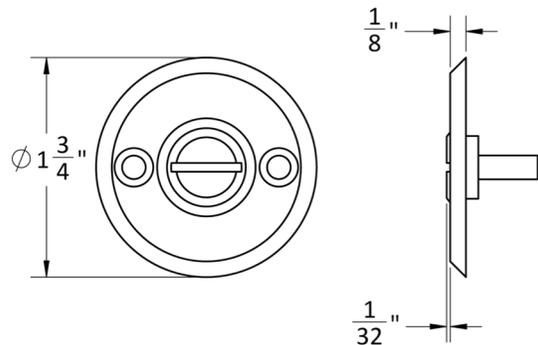
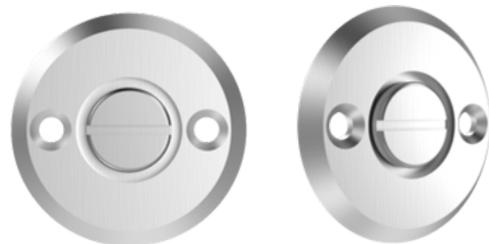
CLOSED

LR-SDS: Components

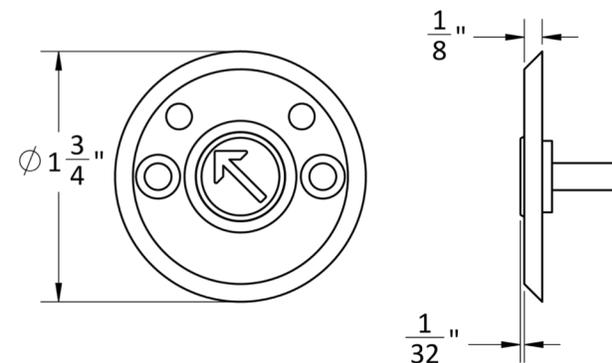
**U7001AL
FLUSH PULL**



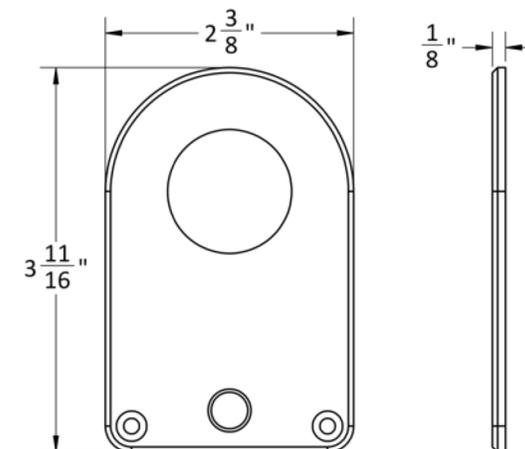
**LR-ER
EMERGENCY RELEASE**



**LR-ERi
EMERGENCY RELEASE WITH
INDICATOR**

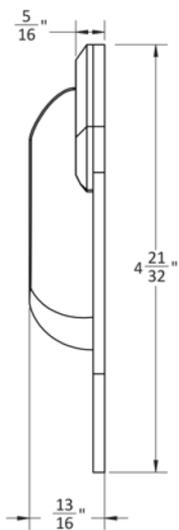
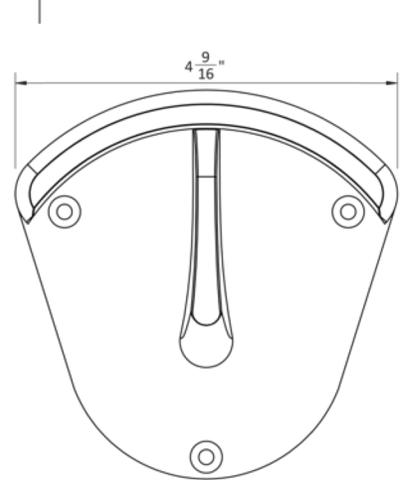


**7200Sci
CYLINDER INDICATOR**

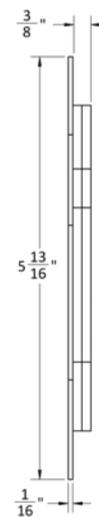
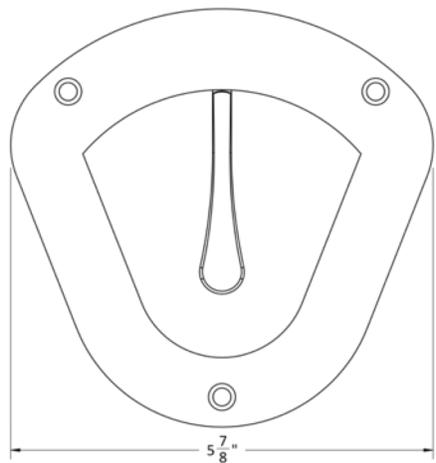
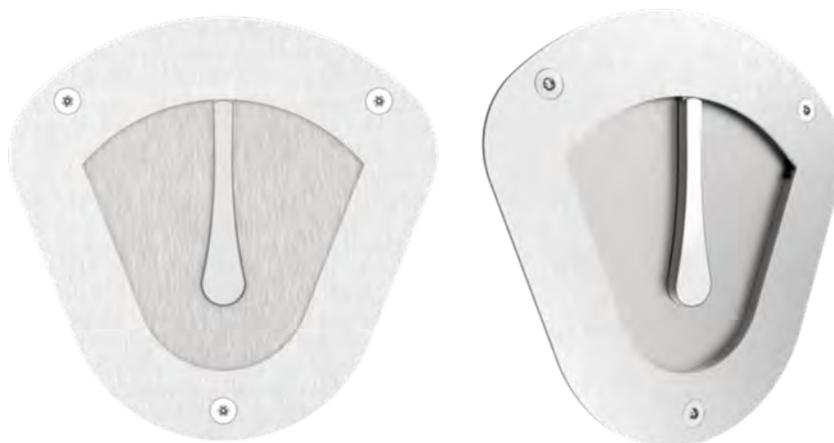


LR-SDS: Components

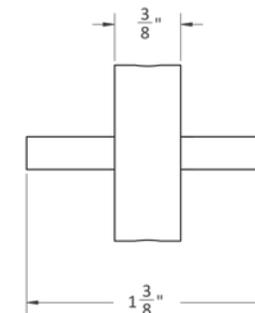
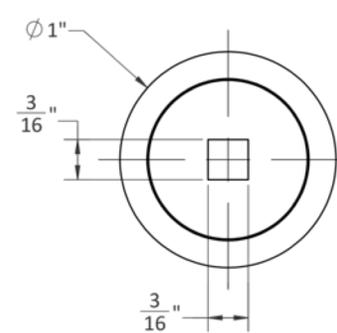
**LR-ADA
THUMB TURN**
Furnished Standard



**LR-ADA-F
FLUSH THUMB TURN**
Special Order

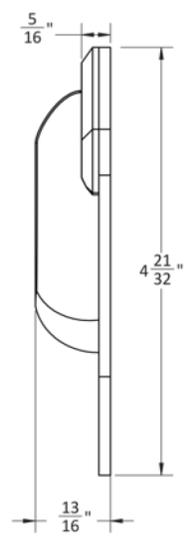
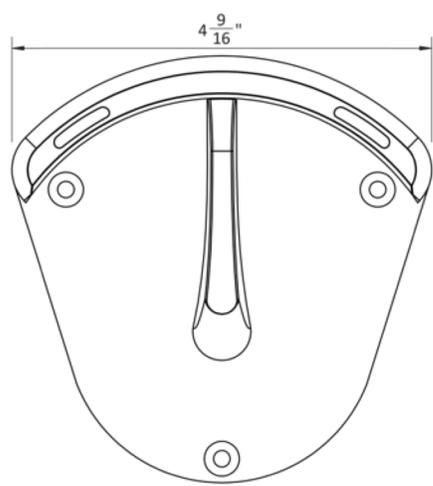


CLUTCH
To enable authorized override

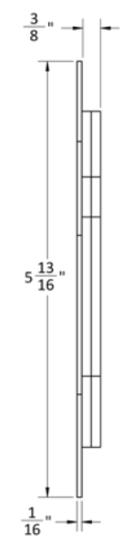
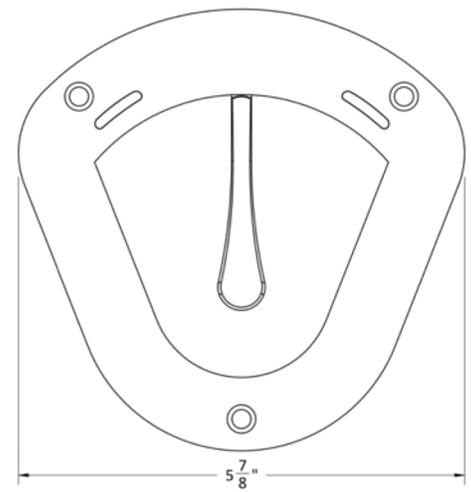


LR-SDS: Components

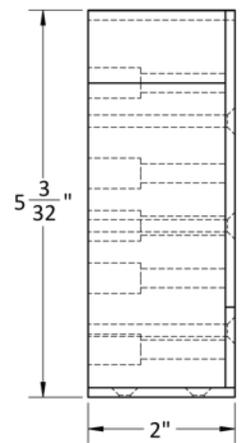
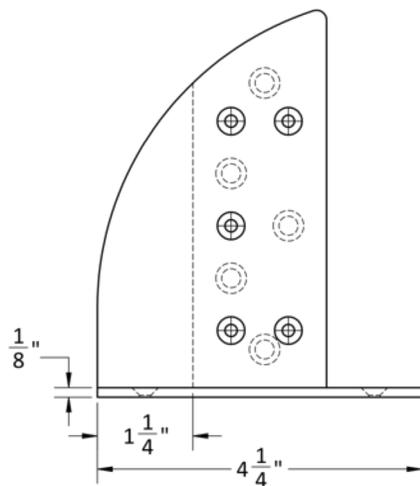
LR-ADAI
THUMB TURN WITH INDICATOR
Furnished Standard



LR-ADA-Fi
FLUSH THUMB TURN
Special Order



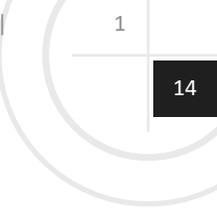
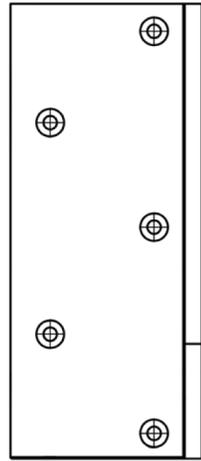
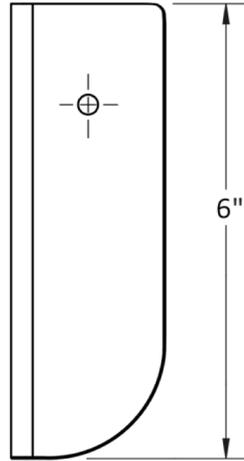
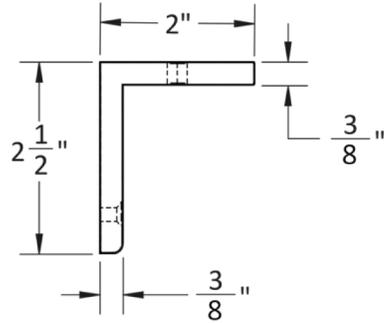
LR-SDS: Shoe



Tapcon® Anchor screws included:
Each screw has a pullout strength of 1,090lbs and a shear strength of 860lbs.

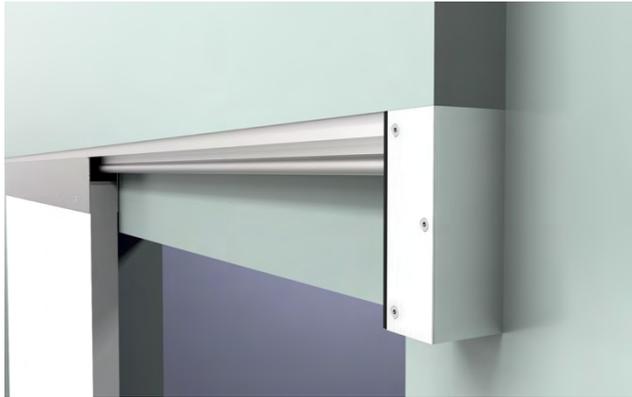
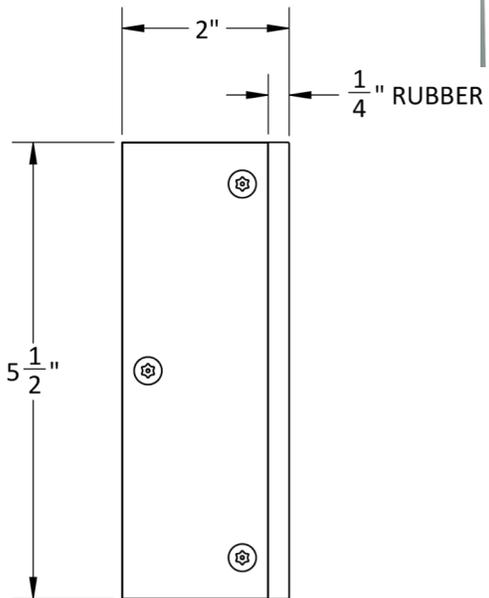
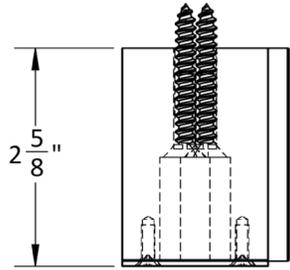
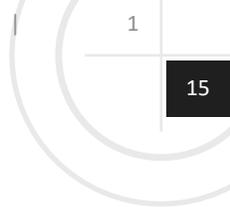
LR-SDS-Stop Kit A (Angle)

Available upon request, specify Stop Kit A.



LR-SDS-Stop Kit B (Block)

Available upon request, specify Stop Kit B.



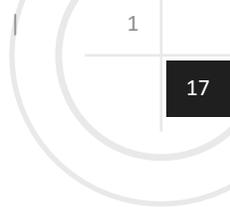
LR-SDS: Fast Frame Kit

Available upon request, specify FF



FAST FRAME KIT

- Includes: 2 side rails, 1 top rail with factory-installed track
- Allows 2 people to install the door in approximately 20 minutes
- Once simple blocking has been added to the wall studs surrounding the door, side rails can be installed first, followed by the time frame with track
- Results in a seamless frame around the door



How to Specify

LR-SDS-X.FINISH.DOORTHICKNESS.DOORTYPE.DOORWIDTH.OPTIONS

FUNCTION
See pgs 4-5

FINISH
Standard
US26D/US32D.
Call for assistance with
other architectural
finishes

DOOR THICKNESS
Standard 1³/₄" doors

DOOR TYPE
Wood or
Hollow Metal

DOOR WIDTH
Door recommended
minimum 10" wider
than the opening (see
pgs. 8-9)

- Specify:
- LR-ADA-F/LR-ADA-Fi
Flush Thumb Turn
 - Stop Kit A/B
 - FF Fast Frame Kit
 - Special Requests

EXAMPLES

LR-SDS | Privacy with Indicator | Tubular
E.g. LR-SDS-5i.US26D.134.WOOD.44

LR-SDS | Hospital Privacy with Indicator | Tubular
E.g. LR-SDS-5Hi.US26D.134.METAL.44

LR-SDS | Classroom Deadlock | Mortise
E.g. LR-SDS-9503ST.US26D.134.METAL.44

LR-SDS | Passage | Angled Stop Kit
E.g. LR-SDS-0.US26D.134.WOOD.44.STOPKITA

LR-SDS | Double Cylinder Deadlock | Fast Frame Kit
E.g. LR-SDS-9502.US26D.134.WOOD.44.FF

**ACCURATE LOCK & HARDWARE
MANUFACTURERS OF LOCKS AND
CUSTOM ARCHITECTURAL HARDWARE**

1 Annie Place | Stamford, CT 06902

P: 203.348.8865

F: 203.348.5234

E: sales@accuratelockandhardware.com

www.accuratelockandhardware.com



**AMERICAN CRAFTED
— SINCE 1972 —**