

Sliding Door Lock Operation User Guide

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USER GUIDE

Introducing DIRTT's Aluminum-Framed Sliding Door and the Adams Rite 1870 Series Cylinder-Operated Flushbolt

In this guide, you'll find a detailed breakdown of the components and operational steps involved in working with DIRTT's Aluminum-Framed Sliding Door and the 1870 Series Cylinder-Operated Flushbolt. This locking system is used across DIRTT's range of sliding door solutions—4" (Goldie), and 6" (Phat) doors and solid core wood doors. The ADA cam lock from Adams Rite 1870 flushbolt integrates seamlessly into DIRTT products.

PART REFERENCE—ADAM RITE 1870 SERIES CYLINDER-OPERATED FLUSHBOLT

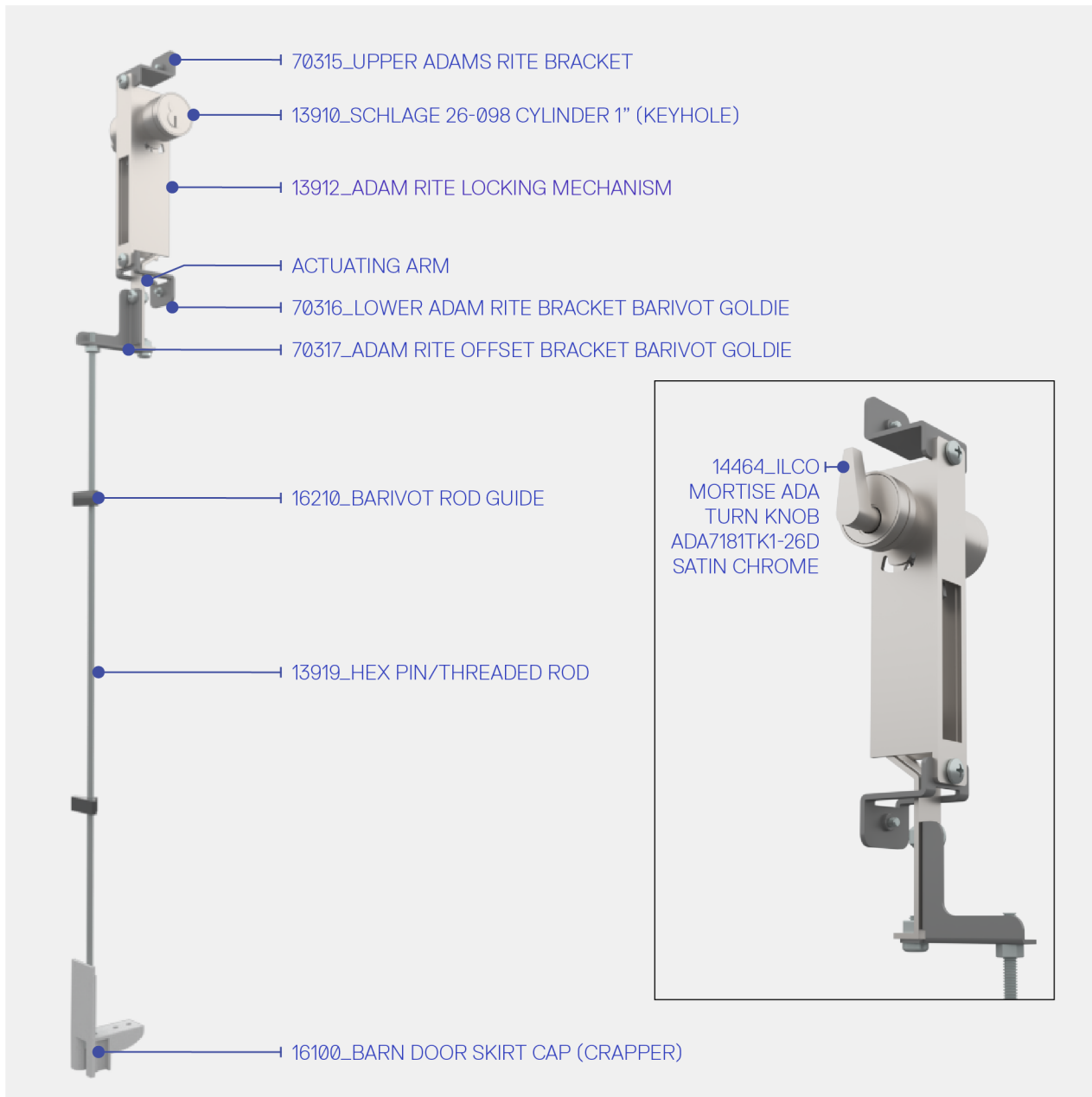
PART		QTY	NOTES
96615	Adams Rite 1870 Assembly	1	1870 Series Cylinder-Operated Flushbolt - For 4" (Goldie) and 6" (Phat) doors
70315	Upper Adams Rite Bracket	1	
207538	Offset Lock Mounting Bracket	1	
13912	Adams Rite Locking Mechanism	1	
13910	Schlage 26-098 Cylinder 1" (Keyhole)	1	
14464	Ilco Mortise ADA Turn Knob ADA7181TK1-26D Satin Chrome	1	
70316	Lower Adam Rite Bracket Barivot Goldie	1	
63169	Solid/Phat Barn Offset Bracket BL	1	Offset bracket used only solid or 6" (Phat) doors
70317	Adams Rite Offset Bracket Barivot Goldie	1	Offset bracket used only for 4" (Goldie) doors
16210	Barivot Rod Guide	2	
13919	Hex Pin/Threaded Rod	1	
16100	Barn Door Skirt Cap (Crapper)	1	

DIRTT'S SUPPORTING DOCUMENTATION

- [ADA Turn Knob Lever Lock Installation Guide](#)

MANUFACTURER'S SUPPORTING MATERIAL

- [1870 Series Cylinder-Operated Flushbolt Guide](#)
- [1870 Cylinder Operated Flush Bolt Installation Instructions](#)

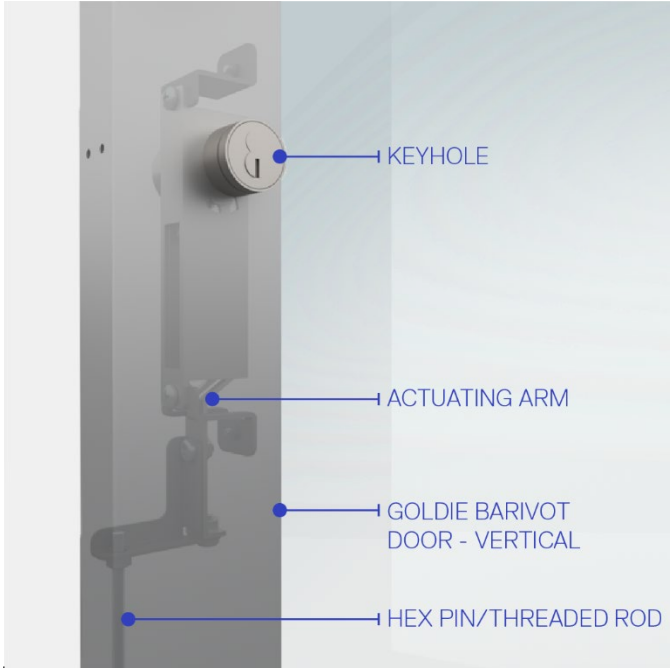




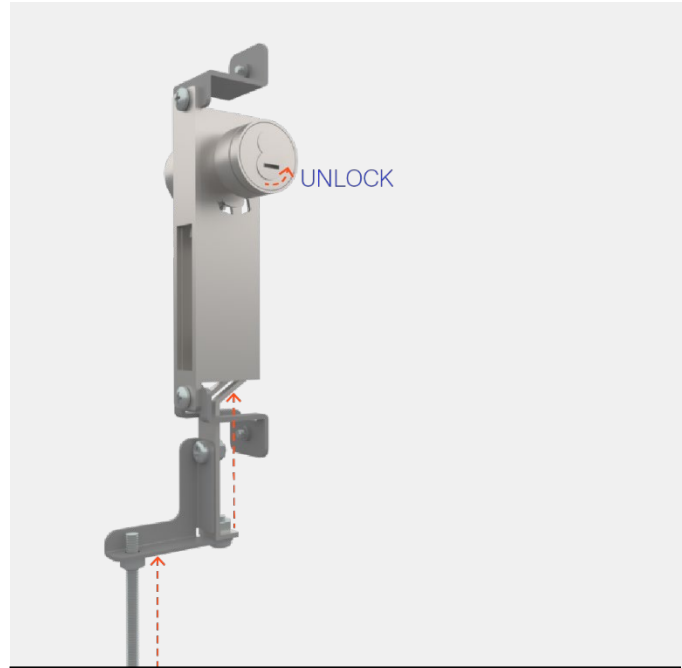
Operating Process for the Adams Rite 1870 Series Cylinder-Operated Flushbolt

01. When the **13910_Schlage 26-098 Cylinder 1" (keyhole)** turns, it activates the **Actuating Arm**, which raises or lowers the **13919_Hex Pin/Threaded Rod**.

- A. **Unlocking the door:** The keyhole is turned counterclockwise as the actuating arm and the hex pin/threaded rod rises.
- B. **Locking the door:** The keyhole is turned clockwise as the actuating arm and the hex pin/threaded rod lowers.



The keyhole activates the actuating arm—raising or lowering the hex pin/threaded rod.



The keyhole turns counterclockwise to unlock the door and the actuating arm and hex pin/threaded rod rises.



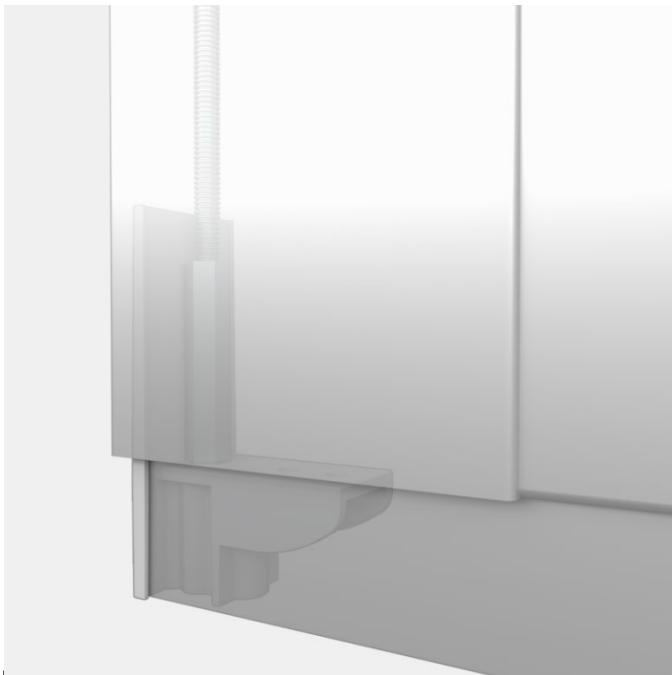
The keyhole turns clockwise to lock the door and the actuating arm and hex pin/threaded rod lowers.

KEYHOLE		
		
LOCK	OPEN	UNLOCK
THUMB TURN OPTION 1		
		
CLOSED (RIGHT-HAND DOOR)	OPEN	CLOSED (LEFT-HAND DOOR)
THUMB TURN OPTION 2		
		
CLOSED (RIGHT-HAND DOOR)	OPEN	CLOSED (LEFT-HAND DOOR)

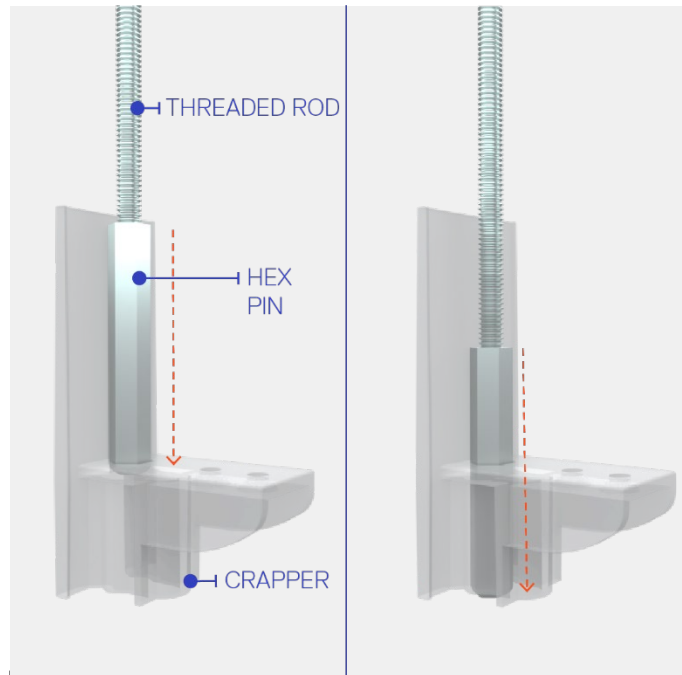
The thumb turn can be oriented in different ways and that affects what direction the turn must rotate to lock the door.



02. As the actuating arm rises or lowers, the hex pin/threaded rod rises or lowers, too. When the threaded rod drops, the attached hex pin/threaded rod inserts inside the 16100_Barn Door Skirt Cap (Crapper).

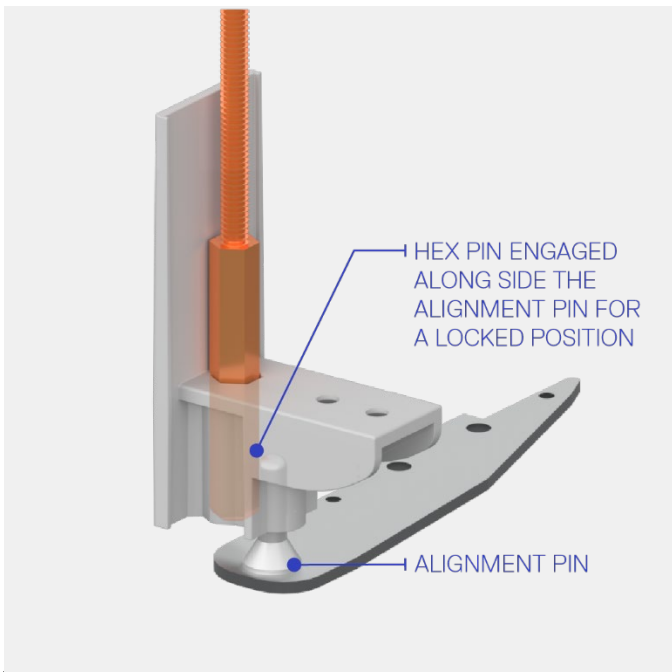


The Crapper resides inside the bottom of the door vertical with the hex pin/threaded rod.

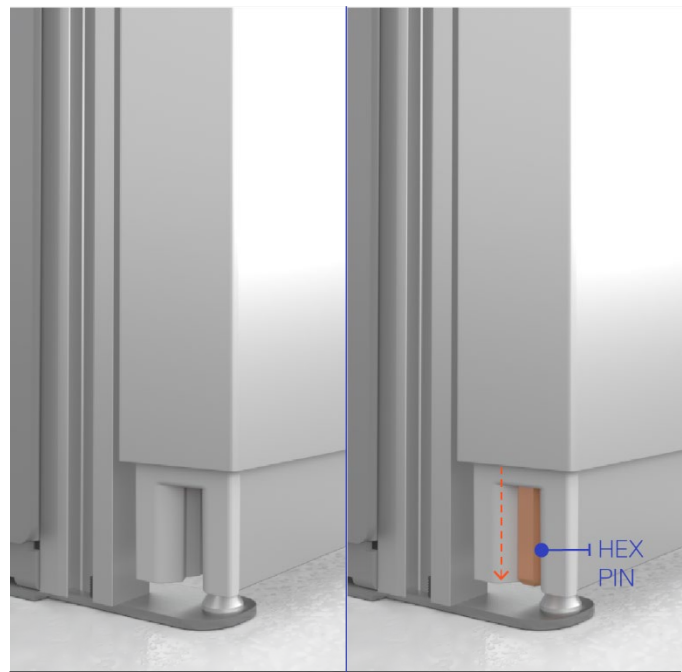


The hex pin/threaded rod rises or drops into the Crapper.

03. When the hex pin/threaded rod lowers inside the Crapper, it engages alongside the **Alignment Pin**, locking the door in place and preventing it from sliding open.



The hex pin/threaded rod lowers down inside the crapper, engaging alongside the alignment pin, locking the door in place.



The hex pin/threaded rod drops down from inside the door vertical.



04. When the hex pin/threaded rod rises, the alignment pin is free, and the door can now slide open.

