1600 Series

Regular, Top Jamb, or Parallel Arm, Hold Open Installation Instructions

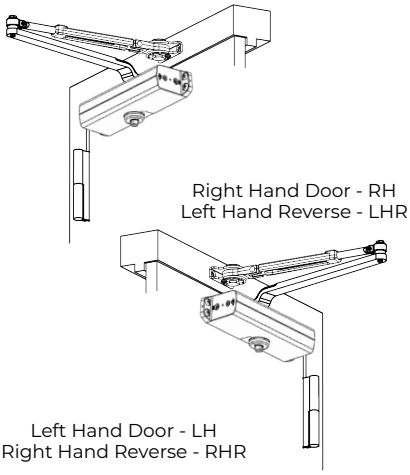
Models 1601H (Adjustable 1-6), 1603BC-H (Spring size 3) and 1604BC-H (Spring size 4).

⚠ WARNING

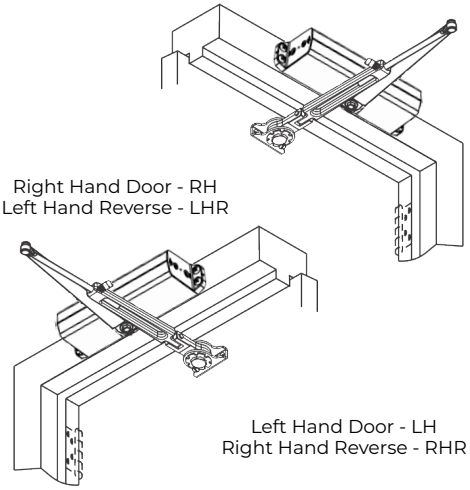
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm.
For more information go to: www.P65warnings.ca.gov.

READ AND FOLLOW ALL INSTRUCTIONS.
SAVE THESE INSTRUCTIONS.

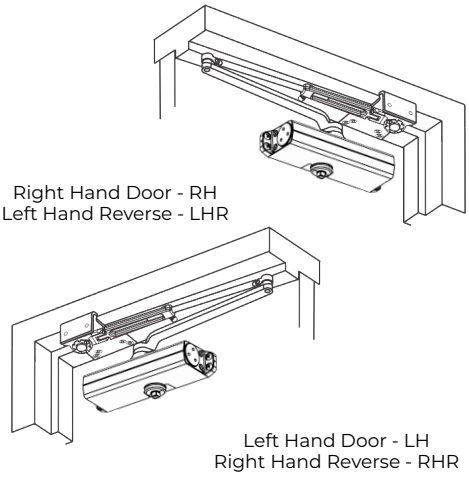
Regular Arm



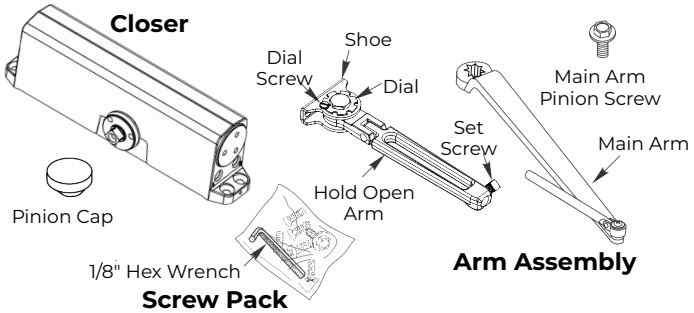
Top Jamb Mount



Parallel Arm

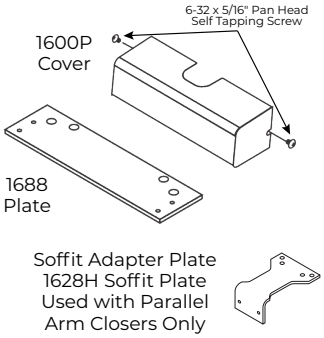


Included Components

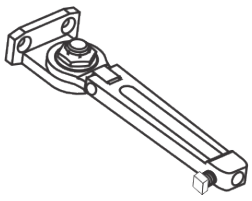


Screw Pack
(Refer to page 2 for a list of contents)

Optional Components

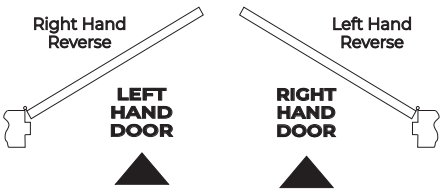


Legacy Friction Hold Open Arm

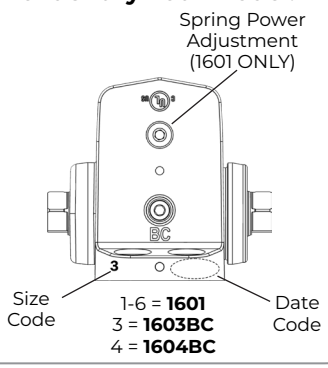


NOTE: Legacy FHO arm has installation orientation. Refer to document number 80-9300-0003-000 for details.

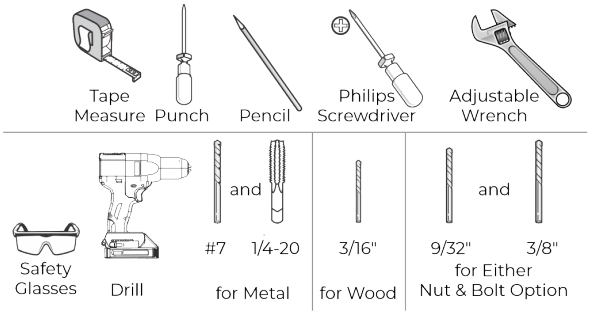
To Determine Your Hand of Door:



To Identify Your Model:



Tools Needed:



Copyright © 2019, 2020, 2022, ASSA ABLOY Accessories and Door Controls Group, Inc. All rights reserved. Reproduction in whole or in part without the express written permission of ASSA ABLOY Accessories and Door Controls Group, Inc. is prohibited.

80-9316-3532-020 Rev 7 10/26

Approved 2026-11-04

Experience a safer and more open world

NORTON RIXSON
ASSA ABLOY

1600 Series
Regular, Top Jamb, or Parallel Arm, Hold Open

ATTENTION:

Improper installation or adjustment of a door closer can result in property damage or personal injury. Follow all instructions carefully to ensure safe and correct operation

- For special applications, a separate door and frame preparation template is packed with these instructions. Use this instruction sheet for installation sequence and closer adjustments only.
- Doors should be hung on ball bearing or anti-friction hinges.
- When necessary, install a door stop to help prevent damage to the closer, arm, door, frame, or nearby walls.
- Adjust the door closing speed so the door closes from 90° to fully closed in 3–7 seconds.
- Doors used by people with disabilities, elderly individuals, or small children may require a slower closing speed.
- Do not install door closers on the weather-exposed side of an exterior door.
- Check with the door and frame manufacturer to ensure the selected fasteners are compatible with the door and frame materials.
- Make sure the door and frame are properly reinforced or use appropriate special fasteners to prevent mounting screws from pulling out.
- Aluminum or metal frames may require rivet nuts (not supplied).
- All dimensions shown are in inches (millimeters)

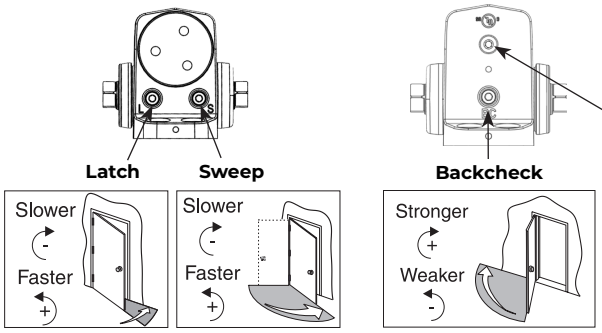
Supplied Hardware

Mounting Hardware		Door or Frame	Drill
	**Closer, Holder Shoe, Holder, PA Bracket:** 1/4-14 x 1-1/2 Oval Flat Head Self Drilling. Screw	Wood/Metal	3/16" (4.8mm) for wood
	**Closer, Holder Shoe, Holder, PA Bracket:** 1/4-20 x 3/4 Oval Flat Head Mach. Screw	Metal	Drill #7 (.201 dia. or 5.1mm) Tap 1/4-20
	**H/O Shoe to Holder, PA Bracket:** 1/4-20 x 1/2 Oval Flat Head Mach. Screw	All	N/A
	**Closer:** Sleeve Nut and Bolt (SNB) (Standard with tri-pack, multi-size closers) with 1/4-20 x 3/4 Oval Flat Head Mach. Screw (recommended)	Hollow Metal	9/32" (7.0mm) thru 3/8" (9.5mm) door face opposite to closer
		Aluminum or Wood	3/8" (9.5mm) thru
	**Closer:** Thru Bolt and Grommet Nut (TBGN) (optional)	All	9/32" (7.0mm) thru 3/8" (9.5mm) dia. x 3/8" (9.5mm) deep, door face opposite to closer

Closer Adjustments

Use provided hex wrench to turn valves. NEVER force valves out of closer. NEVER completely close backcheck valve. Door must be open to adjust spring closing power. Refer to the chart.

Use of a power drill will void the Warranty.

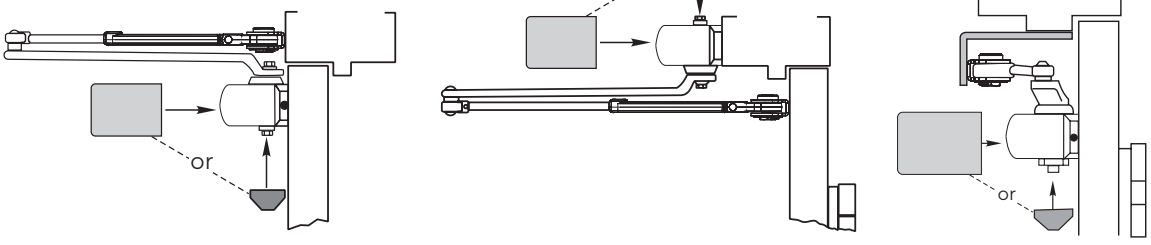


Spring Closing Power				Number of Turns Required				
	Door	Type of Installation	*	Maximum Door Size				
				34" (0.85M)	36" (0.90M)	40" (1.00M)	44" (1.10M)	48" (1.20M)
1601	Interior	Regular Arm Top Jamb	Full 360° Turns	2	4	6	10	12
		Parallel Arm		3	5	8	11	14
	Exterior	Regular Arm Top Jamb		3	5	8	11	14
		Parallel Arm		5	8	11	16	19

*30 Full (360°) turns maximum available = turns as shipped

Pinion Cap or Cover

Do not over tighten cap or cover screws.



Regular Arm **Top Jamb Mount** **Parallel Arm**

Experience a safer and more open world

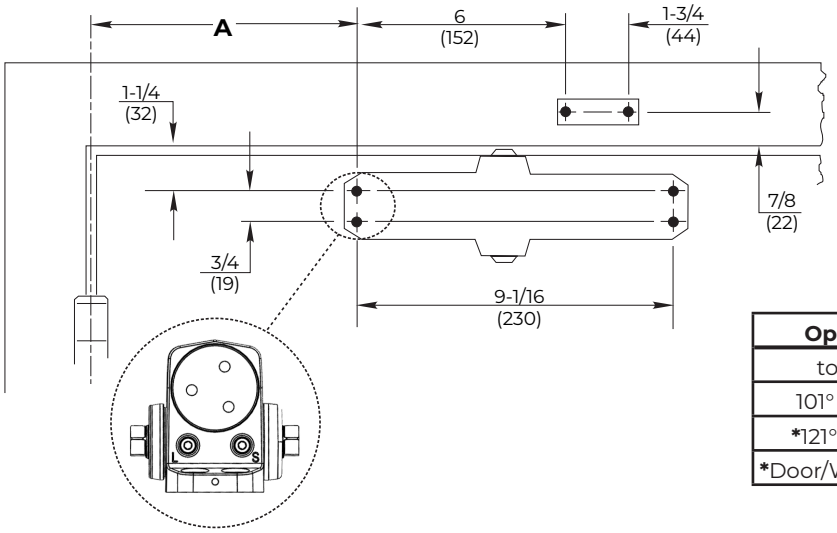
Copyright © 2019, 2020, 2023, 2026, ASSA ABLOY Accessories and Door Controls Group, Inc. All rights reserved. Reproduction in whole or in part without the express written permission of ASSA ABLOY Accessories and Door Controls Group, Inc. is prohibited.

Approved 2026-11-04

80-9316-3532-020 Rev 7 10/26

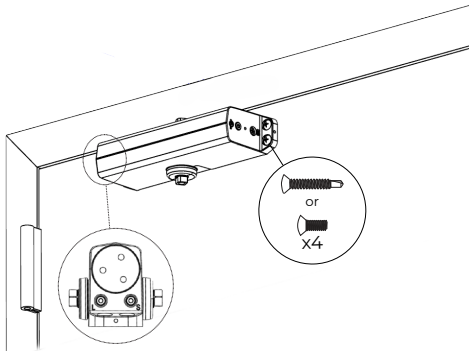
1600H Regular Arm Installation (Right Hand Shown)

1. Prepare door and frame.

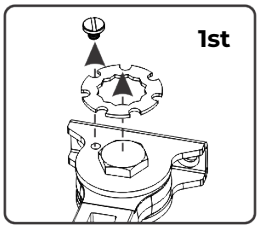


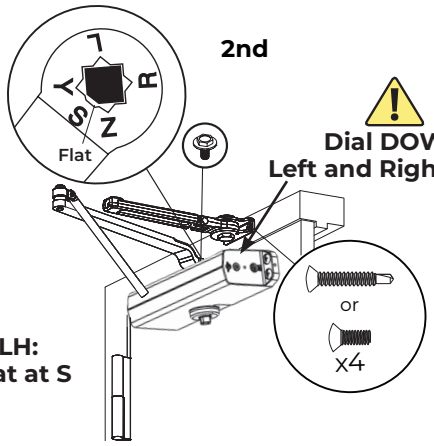
Opening	Dimension "A"
to 100°	7 (178)
101° to 120°	6 (152)
*121° to 180°	3-1/2 (89)
*Door/Wall/Hardware/Jamb conditions permitting	

2. Mount closer to door.



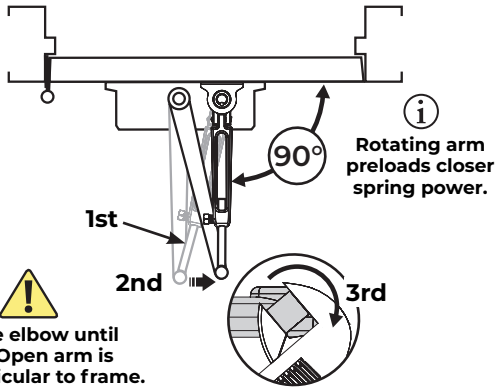
3. Remove dial from Hold Open arm and install separate arms.





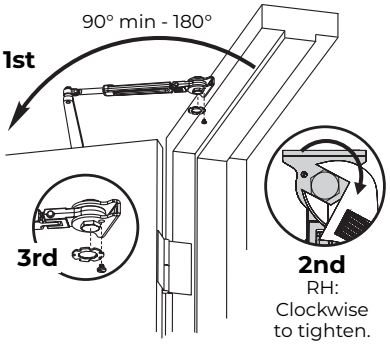
RH and LH:
Position flat at S

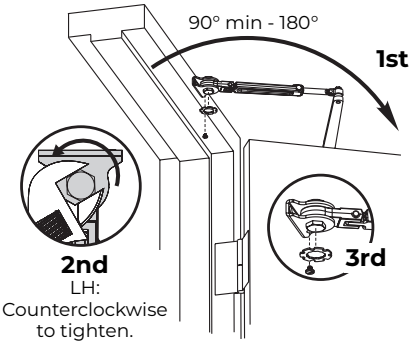
4. Connect arms, preload spring, and tighten set screw.



5. Set Hold Open.

Keep door open in position until dial screw secures dial.





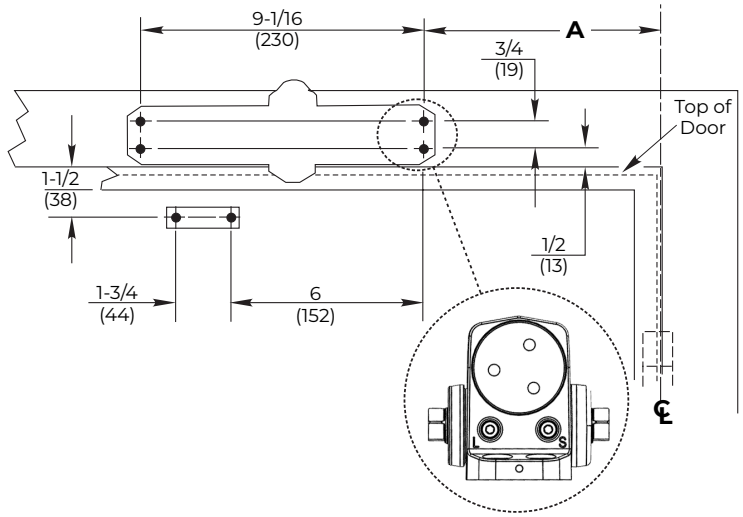
The **1600H Hold Open Closer - Regular Arm** has now been installed.

Go to page 2 for closer adjustments and decorative cap or cover installation.

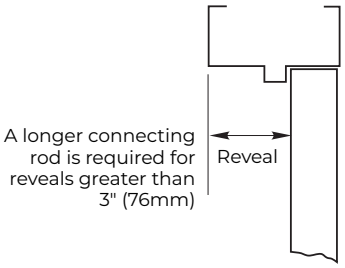
Copyright © 2019, 2020, 2023, 2026, ASSA ABLOY Accessories and Door Controls Group, Inc. All rights reserved. Reproduction in whole or in part without the express written permission of ASSA ABLOY Accessories and Door Controls Group, Inc. is prohibited.

1600H Top Jamb Arm Installation (Right Hand Shown)

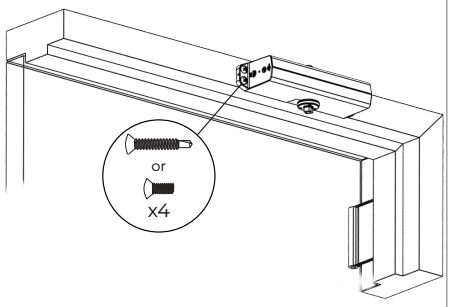
1. Prepare door and frame.



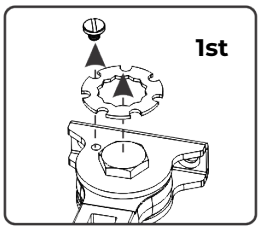
Opening	Dimension "A"
to 100°	7-1/2 (191)
101° to 120°	6 (152)
*121° to 180°	3-1/2 (89)
*Door/Wall/Hardware/Jamb conditions permitting	

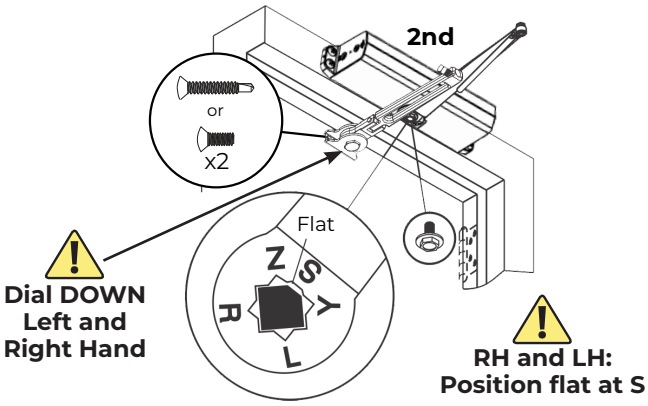


2. Mount closer to frame.

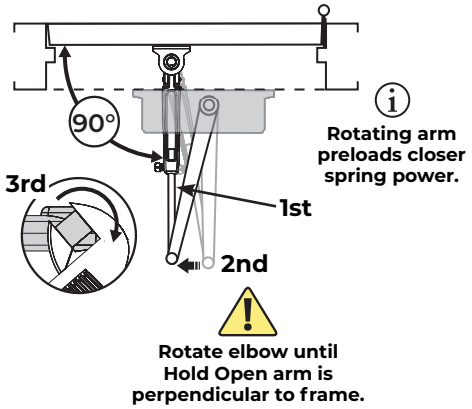


3. Remove dial from Hold Open arm and install separate arms.



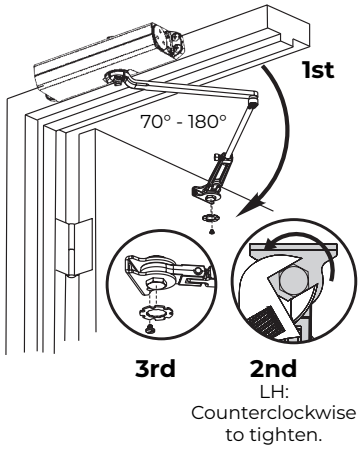


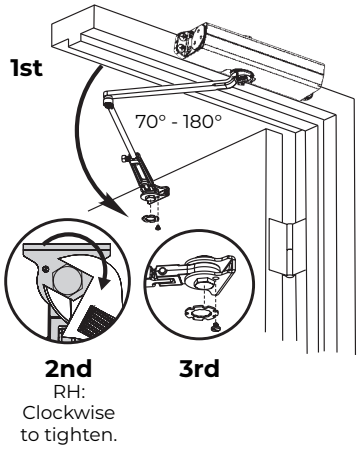
4. Connect arms, preload spring, and tighten set screw.



5. Set Hold Open.

Keep door open in position until dial screw secures dial.





The **1600H Hold Open Closer - Top Jamb Mount** has now been installed.

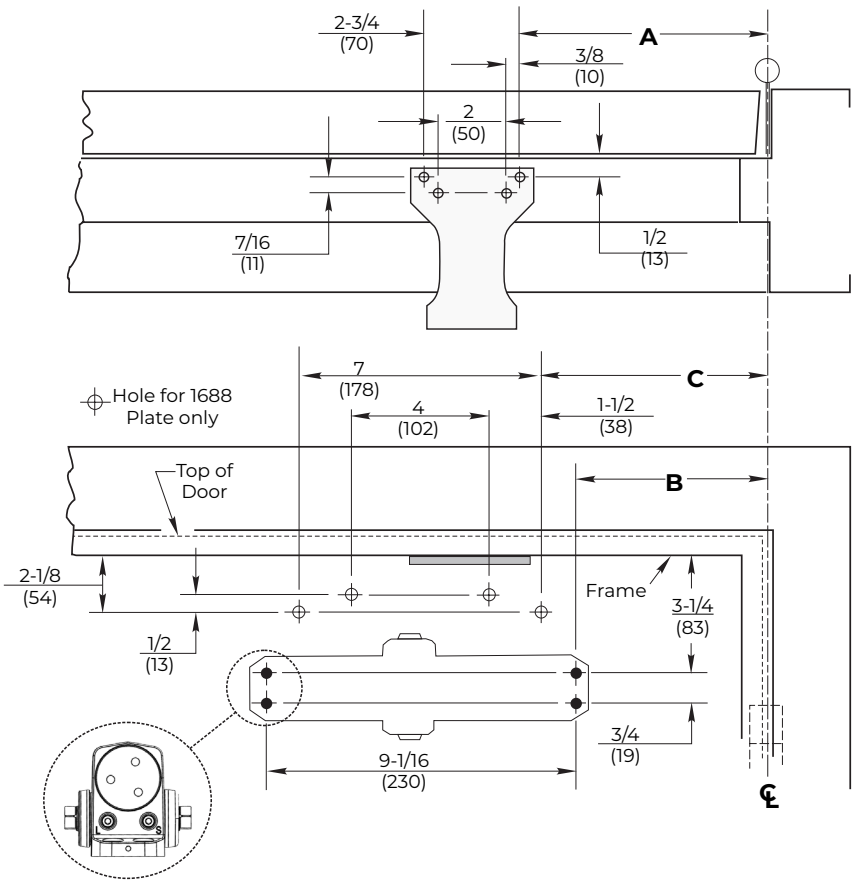
Go to page 2 for closer adjustments and decorative cap or cover installation.

Copyright © 2019, 2020, 2023, 2026, ASSA ABLOY Accessories and Door Controls Group, Inc. All rights reserved. Reproduction in whole or in part without the express written permission of ASSA ABLOY Accessories and Door Controls Group, Inc. is prohibited.

Approved 2026-11-04
80-9316-3532-020 Rev 7 10/26

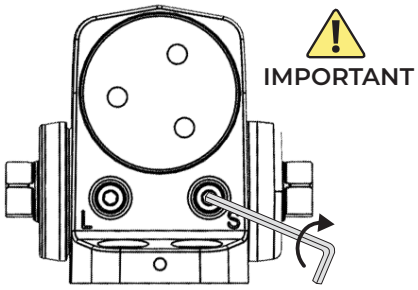
1600H Parallel Arm Installation (Right Hand Shown)

1. Prepare door and frame.

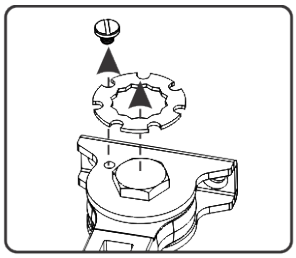


Door Opening	Dimension "A"	Dimension "B"	Dimension "C"
to 100°	9-1/4 (235)	7-5/8 (194)	8-5/8 (219)
101° to 130°	7-3/4 (197)	6-1/8 (156)	7-1/8 (181)
*131° to 180°	5-3/4 (146)	4-1/8 (105)	5-1/8 (130)
*Door/Wall/Hardware/Jamb conditions permitting			

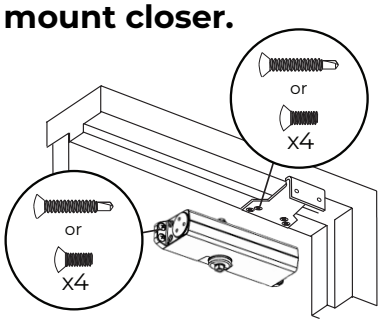
2. Close latch and sweep valves.



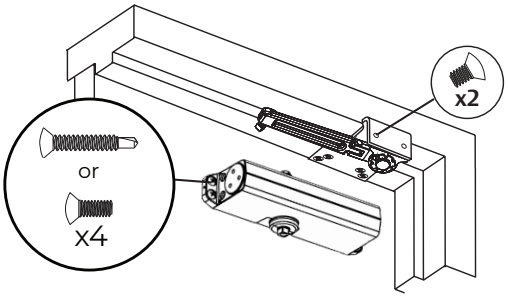
3. Remove dial from Hold Open arm.



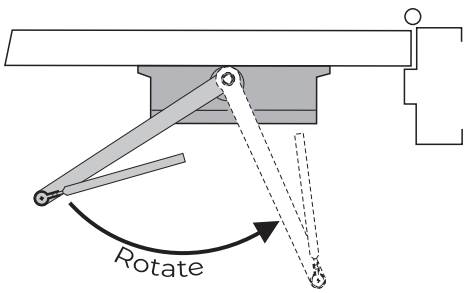
4. Install soffit plate and mount closer.



5. Install Hold Open arm to plate.



6. Place main arm on closer spindle and rotate.



Copyright © 2019, 2020, 2023, 2026, ASSA ABLOY Accessories and Door Controls Group, Inc. All rights reserved. Reproduction in whole or in part without the express written permission of ASSA ABLOY Accessories and Door Controls Group, Inc. is prohibited.

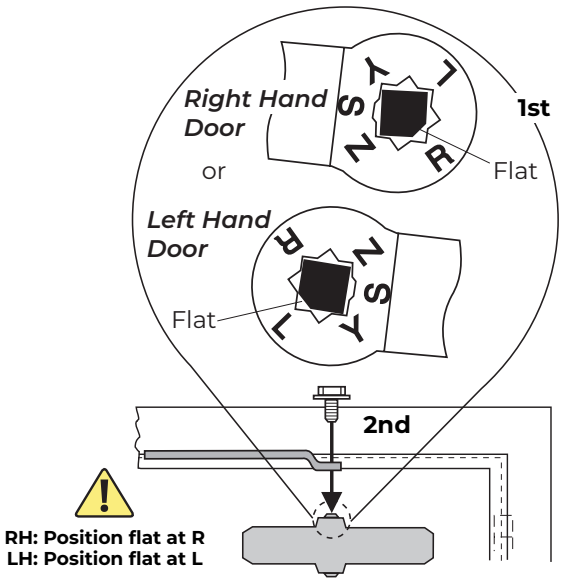
The ASSA ABLOY Group is the global leader in access solutions. Every day we help people feel safe, secure and experience a more open world.

NORTON RIXSON

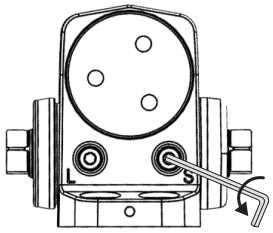
ASSA ABLOY

1600H Parallel Arm Installation (Right Hand Shown) cont.

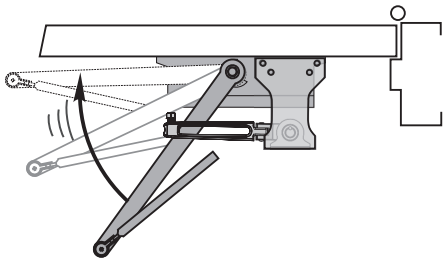
7. Remove arm and attach as shown.



8. Open latch and sweep valves.



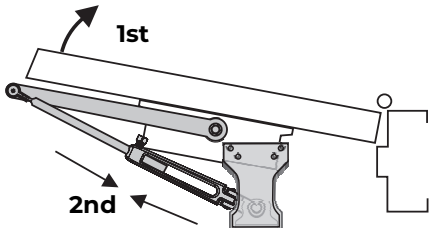
Do not completely open valves. Valves will leak.

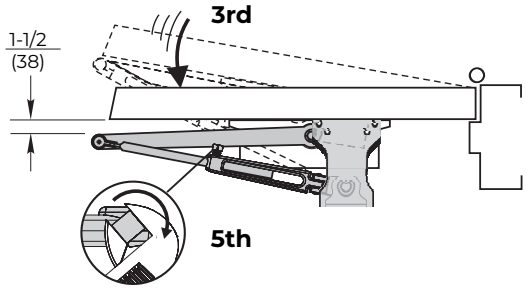


Arm under tension. Keep fingers away from moving parts.

9. Connect arms, preload spring, and tighten set screw.

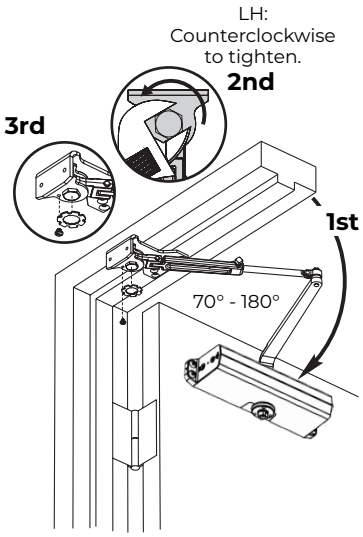
Rotating arm preloads closer spring power.

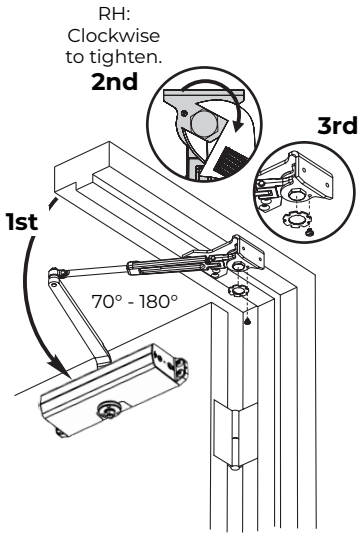




10. Set Hold Open.

Keep door open in position until dial screw secures dial.





The **1600H Hold Open Closer - Parallel Arm Mount** has now been installed.

Go to page 2 for closer adjustments and decorative cap or cover installation.

Technical Product Support:
Monroe, NC 28112 USA
Phone: 877.974.2255 ext: 2
Techsupport.NortonRixson@assaabloy.com
NortonRixson.com

Norton Rixson is a brand associated with ASSA ABLOY Accessories and Door Controls Group, Inc., an ASSA ABLOY Group company.
Copyright © 2019, 2020, 2022, ASSA ABLOY Accessories and Door Controls Group, Inc. All rights reserved. Reproduction in whole or in part without the express written permission of ASSA ABLOY Accessories and Door Controls Group, Inc. is prohibited.

Approved 2026-11-04

80-9316-3532-020 Rev 7 10/26