SC90A Series

Designed for light-duty interior applications the Falcon SC90A closer ensures smooth, reliable operation. The SC90A is backed by a ten-year warranty and is preset for easy installation.

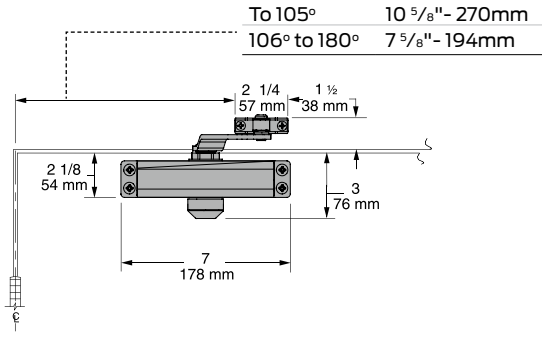
Standard features

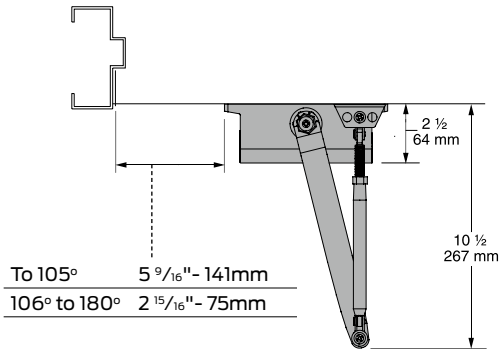
- Single piece cast aluminum body
- Fixed sizes 1, 3 and 4
- Separate adjustable general speed and latch speed
- SC90A closer mounts hinge side, top jamb, or parallel arm when the RW/PA arm is specified
- Non-handed for left or right swinging doors
- Heat-treated pinion and steel piston
- SC93A/94A comes standard with a universal screw pack for aluminum, hollow metal, and wood doors, includes self reaming and tapping screws
- Meets ANSI A117.1
- Listed ANSI/BHMA A156.4, grade 3
- Comes standard with adjustable backcheck; optional no backcheck available
- SC93A/94A is UL listed and compliant to UL10C and UBC 7-2 (1997)
- 10-year warranty
- Offered in aluminum and dark bronze finish

Listings and ratings

The Falcon SC93A/94A Series is UL approved and compliant with the UL 10C and UBC 7-2 (1997) fire test. Additionally the SC91A closers are designed to meet the American Disabilities Act (ADA) and ANSI A117.1. The SC90A Series is listed ANSI/BHMA A156.4, Grade 3.

SC91A Hinge (pull side)



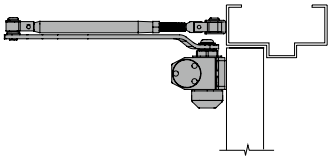


Butt Hinges should not exceed 5" (127mm) in width.

Auxiliary Stop is recommended at hold-open point or where a door cannot swing 180°.

Reveal should not exceed 3/4" (19mm) for regular arm.

Clearance of 2 1/2" (64mm) behind door required for 90° installation.



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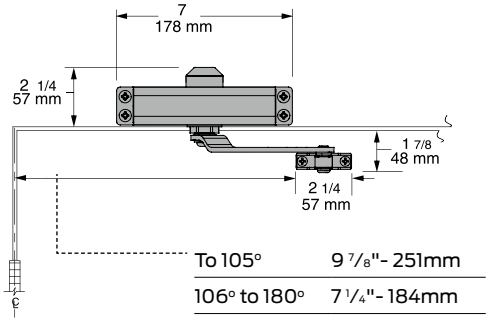
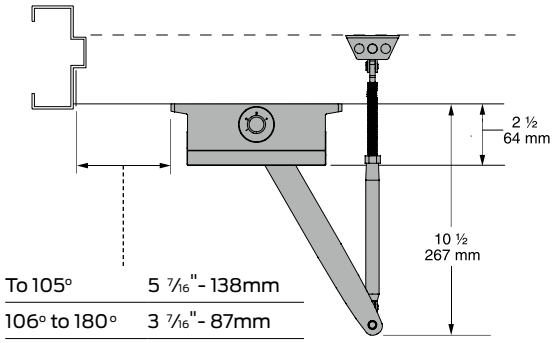
SC91A Top jamb (push side)

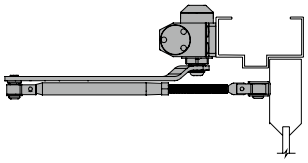




Butt hinges should not exceed 5" (127mm) in width.

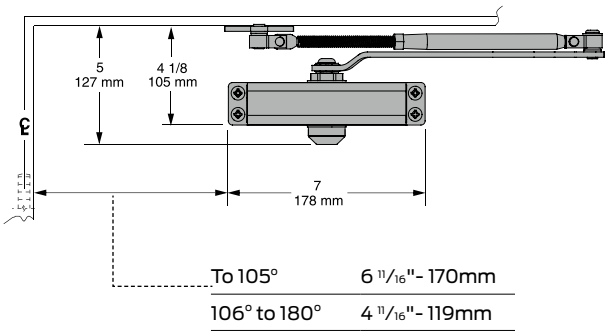
Auxiliary stop is recommended at hold-open point or where a door cannot swing 180°.

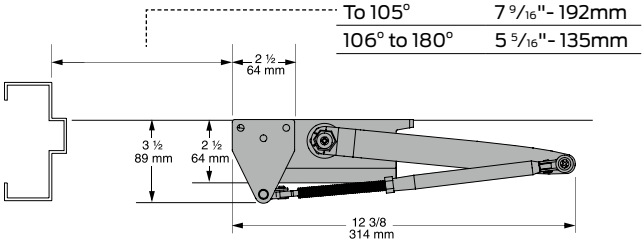
Reveal should not exceed 2" (51mm) for regular arm or hold-open arm.



Note: Top jamb mount is only available with the regular arm.

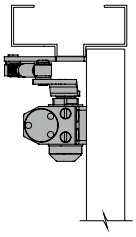
SC91A Parallel (push side)





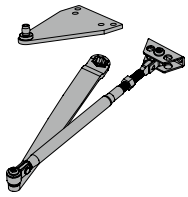
Butt hinges should not exceed 5" (127mm) in width.

Auxiliary stop is recommended at hold-open point or where a door cannot swing 180°.

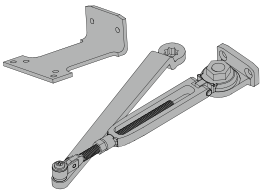


Arm types and accessories

All SC91A closers come with standard arm. Optional pinion caps are also available for replacement.



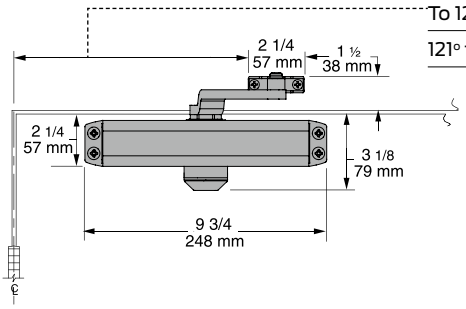
Regular arm, SC91A-3077PA
Non-handed arm with adjustable forearm assembly to accommodate a range of doors and frame reveal conditions. Mounts hinge side, top jamb or parallel arm. PA shoe included to allow installation in a parallel arm configuration. Available only on SC91A closers.



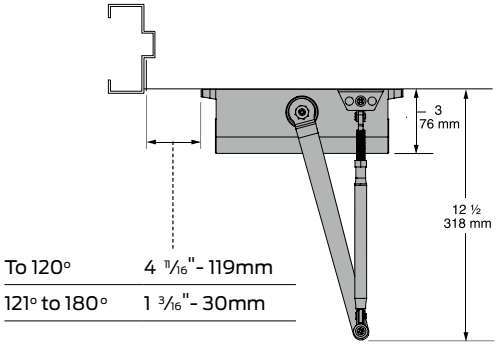
Hold-open arm, SC91A-3049PA
Optional, non-handed, hold open arm with adjustable forearm assembly to accommodate a range of doors and frame reveal conditions. Mounts hinge side, top jamb or parallel arm. PA shoe included to allow installation in a parallel arm configuration. Available only on SC91A closers.

Pinion cap, SC91A
Available for replacement with SC91A.

SC93A/94A Hinge (pull side)



To 120°	11 ¾"- 298mm
121° to 180°	9"- 229mm



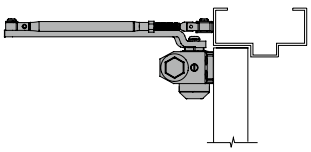
To 120°	4 11/16"- 119mm
121° to 180°	1 3/16"- 30mm

Butt hinges should not exceed 5" (127mm) in width.

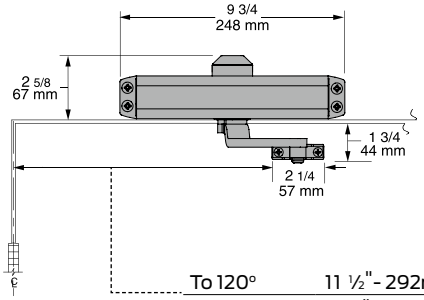
Auxiliary stop is recommended at hold-open point or where a door cannot swing 180°.

Reveal should not exceed ¾" (19mm) for regular arm.

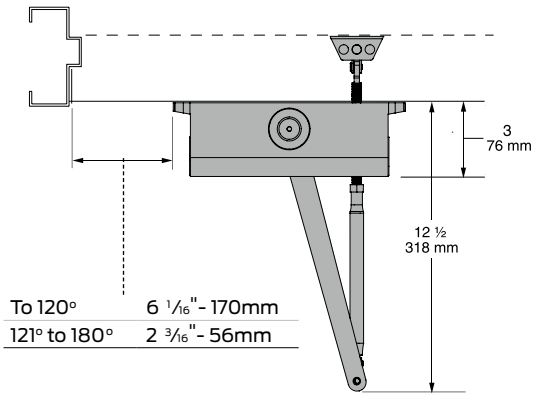
Clearance of 3" (76mm) behind door required for 90° installation.



SC93A/94A Top jamb (push side)



To 120°	11 ½"- 292mm
121° to 180°	8 ½"- 216mm

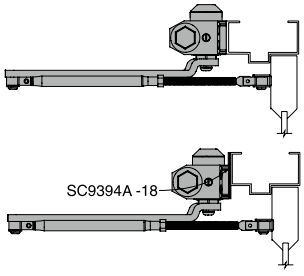


To 120°	6 1/16"- 170mm
121° to 180°	2 3/16"- 56mm

Butt hinges should not exceed 5" (127mm) in width.

Auxiliary stop is recommended at hold-open point or where a door cannot swing 180°.

Reveal should not exceed 3 ¼" (83mm) for regular arm.



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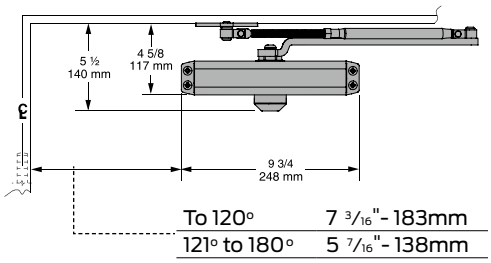
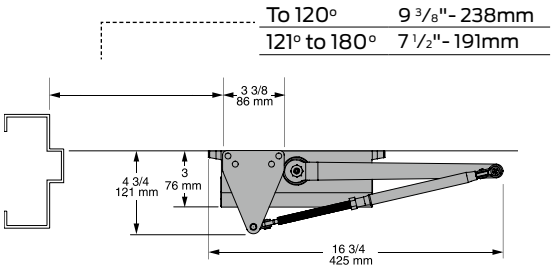
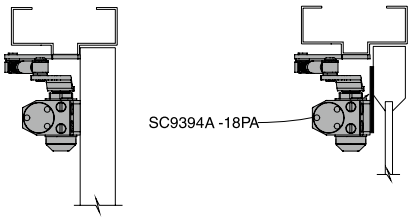
SC93A/94A Parallel (push side)





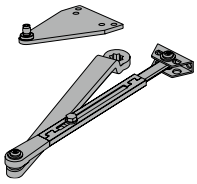
Butt hinges should not exceed 5" (127mm) in width.

Auxiliary stop is recommended at hold-open point or where a door cannot swing 180°. Backcheck closer with the backcheck option requires 105° mounting.



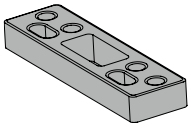
Arm type and accessories

All SC93A/94A closers come with standard arm and screw pack. Optional accessories available for order.

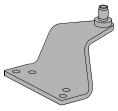


Regular arm, SC90A-3077PA
Non-handed arm with adjustable forearm assembly to accommodate a range of doors and frame reveal conditions. Mounts hinge side, top jamb or parallel arm. PA shoe included to allow installation in a parallel arm configuration. Available with SC93A/94A only.

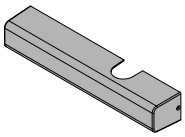
Soffit shoe support, SC90A-30
Provides anchorage for fifth screw used with soffit shoe, where reveal is less than 3 1/16"(78mm).



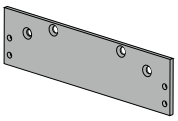
Blade stop spacer, SC90A-61
Required to lower parallel arm shoe to clear 1/2"(13mm) blade stop.



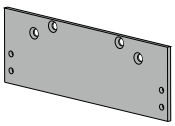
Auxiliary shoe, SC90A-62A
Requires a top rail of 7" (178mm). Optional shoe replaces PA shoe for parallel arm mounting of regular arm with overhead holder/stop.



Slim cover, SC90A-72
Optional non-handed, slim plastic cover. Available only with SC93A.



Plate, SC90A-18
Required for top jamb mounting where head frame is less than 1 3/4" (44mm) or flush ceiling conditions exists. Available only with SC93A/94A.



Plate, SC90A-18PA
Required for parallel arm mounting where top rail is less than 4 5/8" (117 mm), measured from the stop. Plate requires 2 1/8" (54mm) minimum top rail measured from stop. Available only with SC93A/94A.

Pinion cap, SC90A
Available for replacement with SC93A/94A.