

**Corbin
Russwin** 

ASSA ABLOY

DC46900 Series

Safeguard™ Door Closers



ASSA ABLOY, the global leader
in door opening solutions

Overview

DC46900



Applications

The DC46900 combines the strength of a heavy duty surface closer and electro-mechanical holder and is ideal for single or double door applications, linked to a smoke, fire, heat or security system. Best for new construction or renovation on:

- Corridor doors
- Stair tower doors
- Office doors
- Fire doors
- Exit doors

Advantages

- Available for multiple doors
- Regular and parallel arm mountings
- Low voltage AC or DC systems available
- Adjustable degree of hold open from 85° to 180°
- Concealed on/off switch for hold open
- Eliminates need for separate electromagnetic holder
- Indicator lights – green pilot, red alarm

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DC46900.2

Features

Spring Power

Adjustable sizes 2-6.

Handing

Universal, non-handed.

Body

Cast aluminum.

Arm

Adjustable stamped steel.

Spindle

Precision machined steel.

Piston

Precision machined steel.

Springs

Tempered steel.

Valve

Adjustable sweep speed, latch speed and backcheck cushioning valves.

Seals

"O" rings.

Fluid

High lubricity hydraulic fluid.

Degree of Opening

Up to full 180° opening, with adjustable hold open from 85° to 180°.

Covers

Closer (steel material)

Holder (extruded aluminum) 1-7/8" wide x 11-3/4" long x 4-1/16" deep

Mountings

Regular or parallel arm mounting. (2" standard frame)

Fasteners

Standard: combination screws for wood and metal doors.

Voltage

24VAC, 24VDC and 120VAC available.

Holder Component

UL listed low voltage magnet with built-in rectifier. Hold open adjustable from 85° to 180°. Concealed on/off switch manually disconnects hold open. Holding force variable from 0-25 lbs.

Warranty

Two-year limited warranty on entire unit.

Certification/Compliance

UL/ULC

UL listed for use on fire doors.

NFPA

Conforms to NFPA 101 Life Safety Code.

Suggested Specification

All door closer/holders shall be DC46900 Series Door Closer/Holders as manufactured by Corbin Russwin Architectural Hardware.

Closers shall be of steel rack and pinion construction to ensure durability and effective control of the door throughout the opening and closing cycles. Cases shall be cast aluminum, vacuum and pressure impregnated with resin to reduce the possibility of microporosity.

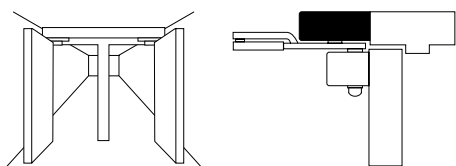
Closers shall be available in non-sized spring to accommodate various door conditions. Closing, latching and backcheck shall be controlled by three separate non-critical valves sealed with an "O" ring. High lubricity hydraulic fluid shall be furnished.

Closers shall not project over 2-1/8" and shall require a metal cover. Closers shall be capable of mounting on a 2-9/16" top rail.

Closers shall be universal type, non-handed, and shall accommodate a 180° opening in regular and parallel arm applications. Closers which cannot be mounted for up to 180° opening shall not be acceptable.

Closers shall be listed by Underwriters Laboratories.

Product shall carry a two-year limited warranty.

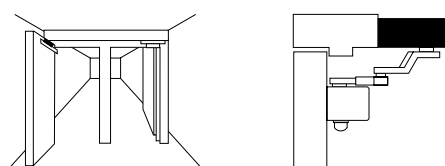


Cross corridor – doors swing in same direction.

Mounting

DC46920 Unit

Pull side mounted unit for right hand and left hand single doors or pairs of doors. For doors flush with frame, or with 1/8" maximum reveal on pull side. Minimum top rail 2-3/16".

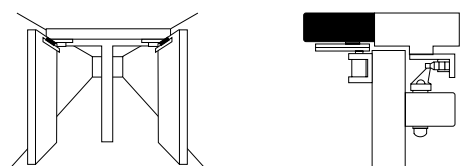


Cross corridor – double egress doors swing in opposite directions.

Mounting

DC46925 Unit

Push side mounted unit for right or left hand doors. Also suitable for double egress doors. For double egress doors and doors set within a reveal. Maximum reveal: 3-1/2". Minimum top rail 3-1/8".



Cross corridor – doors swing in same direction.

Mounting

DC46928 Unit

Pull side mounted holder body with push side mounted closer. For reverse bevel doors and to allow 180° opening of doors. Accommodates minimum door-to-wall clearance on push (closer) side, and 1/8" maximum reveal on pull (holder) side. Minimum top rail: 4".

Note: Shaded area indicates holder body.

Ordering Example

Contract/Detailed Order

| Quantity | Series/Mounting | Finish | Voltage |
|----------|-----------------|--------|---------|
| 34 | DC46920 | 689 | 24D |

How to Order

Series/Mounting

| Description | Specify |
|---|---------|
| Regular Arm | |
| Pull side mounted | DC46920 |
| Parallel Arm | |
| Push side mounted | DC46925 |
| Parallel Arm Closer, Pull Side Holder | |
| Pull side mounted holder body with push side mounted closer | DC46928 |

Finish

| Description | Specify |
|-----------------------------|---------|
| SBL Silver Aluminum Painted | 689 |
| LBL Dark Bronze Painted | 690 |
| GBL Satin Brass Painted | 696 |

Door Thickness

| Description | Specify |
|-------------|------------|
| 1-3/4" | (standard) |

Voltage

| Description | Specify |
|-------------|---------|
| 24VAC | 24A |
| 24VDC | 24D |
| 120VAC | 120A |



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For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.