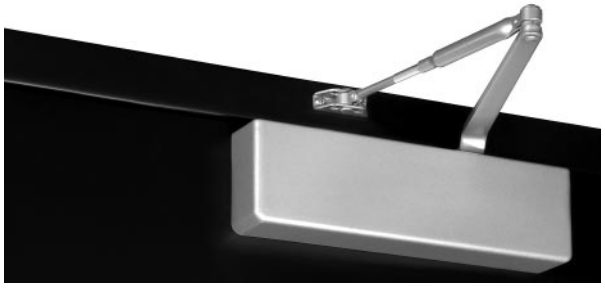
applications

regular arm

This is the only pull-side application where a double lever arm is used. It is the most power-efficient application for a door closer. Sufficient frame, door and/or ceiling clearance must be considered.

Since the arm assembly projects directly out from the frame, this application may present an aesthetics issue or be prone to vandalism.



Non-hold open arm shown

top jamb

For efficiency reasons this application provides the best alternative to the regular arm application. There must be sufficient frame face and/or ceiling clearance for this application. It requires a top rail on the door of just 2-1/8" (54mm). This application provides the best door control for doors in exterior walls that swing out of a building.

The entire door closer and arm assembly project from the frame, similar to the regular arm application, where the matters of appearance and malicious abuse can be of concern. Consideration must be given to depth of reveal.

Non-hold open arm shown

parallel arm

This application provides the most appealing design appearance for a surface-mounted door closer having a double lever arm. This also makes it beneficial in vandalism-prone areas. It is on the push side of the door and the arm assembly extends almost parallel to the door. In the closed position, there is very little or no hardware projecting beyond the frame face in most situations.

Due to the geometry of the arm it is approximately 25% less power efficient than a regular arm application.

The entire closer and arm assembly are mounted below the frame stop, requiring a top rail clearance on the door of between 6-5/8" (168mm), when using a low profile arm, to 7-1/4" (184mm), when using the hold open arm.

Non-hold open arm shown

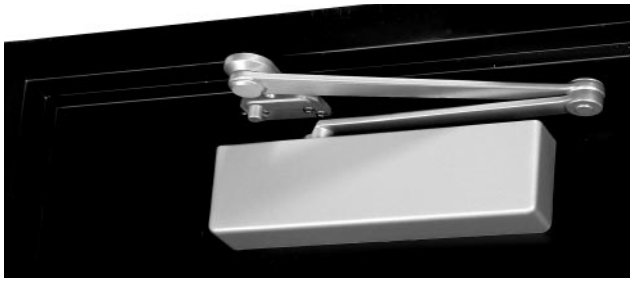
applications

Non-hold open arm shown

Parallel Rigid Arm
An enhanced variation of the standard parallel arm assembly that is intended for use in heavy traffic areas where auxiliary door stops are installed. Hold open available – specify hand when ordering.

Non-hold open arm shown

Parallel Rigid Offset Arm
This heavy-duty parallel rigid arm provides additional vertical clearance. It is well suited for applications where weather-stripping or other hardware prevents the use of the standard Parallel Rigid (PR) soffit plate. The non-hold open and hold arms allow 1-1/4" clearance. When used in conjunction with a #6891 spacer block, the PRO arm provides 1-7/8" clearance to accommodate the use of a surface overhead stop/holder.

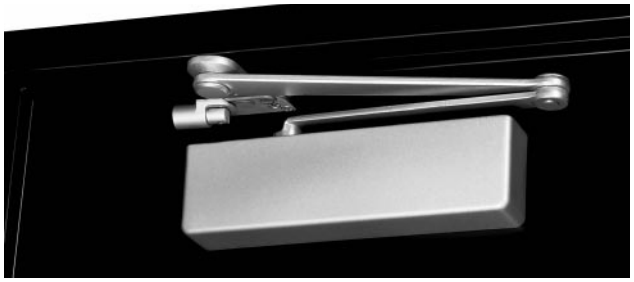


Non-hold open arm shown

Holder/Stop Arm
Similar to the Parallel Rigid arm, this arm incorporates a stop at the arm's soffit plate to dead stop the door at a predetermined degree of door swing between 85° and 110°, in 5° increments. Prior to dead stop the door closer's backcheck feature slows the door speed to reduce the impact of the stop action.

The Holder/Stop Arm is intended for use where an auxiliary door stop cannot be utilized and no more than moderate abuse is anticipated. Where more extreme conditions are expected, use of a UNI Stop™ arm is recommended.

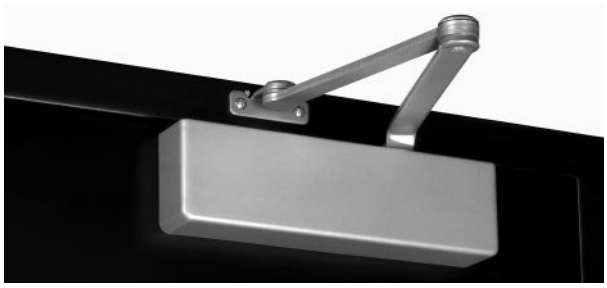
Thumbturn hold open available. (Hold open strength is adjustable.)



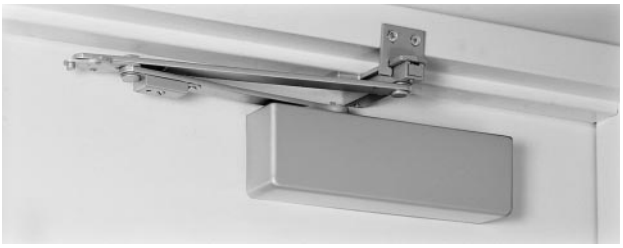
Non-hold open arm shown

Holder/Stop Spring Arm
This heavy-duty stop arm includes all of the features of the Holder/Stop arm, plus an additional steel buffer spring that provides greater protection at the end of the door opening cycle. For extreme conditions, use of a UNI Stop™ is recommended. Available with or without hold open.

applications



Regular Rigid Heavy-Duty Arm
This double lever arm features a non-adjustable secondary arm. Orbitally riveted joints prevent tampering or disassembly. The rigid heavy-duty arm is standard with the security closers featuring a regular arm (SCR4400 or SCR400) but is also available with standard product. Prefix “R” to model number. Available non-hold open only.



Parallel arm

Top jamb

UNI Stop™ Arm
Can be used for either parallel arm or top jamb applications. *UNI Stop* arms combine the features of a double lever arm overhead door stop/holder with the backcheck feature of the door closer to reduce door stopping shock loads to a minimum. The *UNI Stop* uses a compression spring buffer at the soffit plate/arm shoe that will absorb 30 lbf. of force, 5° prior to the door’s dead stop. Coupled with the door closer’s backcheck feature, this arm provides the most controlled stop available with a surface door closer.

For parallel arm applications there are three different length arm assemblies. Each length is designed for a specific range of door widths to provide precise door control. This further lessens the dead stop impact on the door’s hinges/pivots.

applications

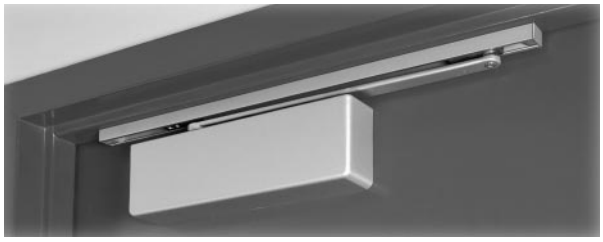
Corner Bracket
This application can be used where top jamb and parallel arm application will not accommodate the door and frame conditions. Requires minimal top rail on the door; however, vertical clearance to the floor within the door opening should be checked to ensure code compliance.

The close proximity, for this application, of the door closer to the door's pivot point reduces the door closer's power efficiency by approximately 25% when compared to a regular arm. The projection of the arm from the door face might pose questions regarding design parameters.

Pull Side

Low Profile Pull Side

Push Side



Low Profile Push Side

Slide Track
Whether pull or push side mounted, this provides the designer with the smoothest lines available in a surface mounted door closer. The single lever arm allows components to be located in a stack configuration to minimize projection and eliminate obtrusive arm angles.

The arm geometry reduces door closer power efficiency by approximately 25% from that of a regular arm.

A variation of the standard slide track application is available for pocket doors, where it is desirable to have the door closer completely concealed when the door is in the 90° open position. See page 26 for details.

applications

Regular arm

Parallel arm

Low Profile Arm

Supplied with 2400/4480 series door closers for non-hold open installations only. These arms have a reduced height elbow joint and a straight main arm. This enables the door closer to be installed in less vertical space:

Regular Arm Allows closer to be installed where there is as little as 1" (25mm) of frame face or ceiling clearance.

Parallel Arm Allows closer to be installed 1/2" (13mm) higher up on door then standard parallel arm application.