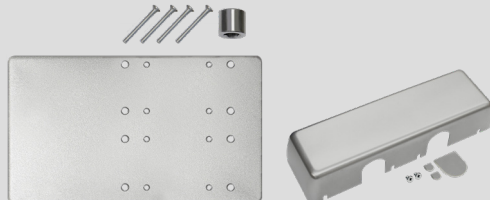


## CONCR441 - DUAL CLOSER CONNECTOR KIT

### CONCR441KIT

Includes:

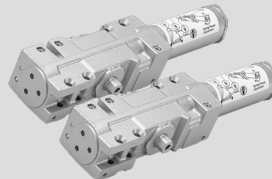
Steel Connector, Sleeve Nut, Steel Mounting Plate, Screws and Primary Closer Cover  
(Does not include closers)



### CR441 / TNDM

Includes:

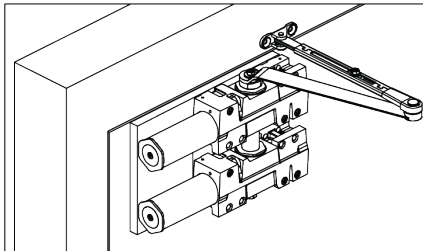
CONCR441KIT,  
2 x CR441 Door Closers  
(Includes 2 complete boxes  
of regular door closers)



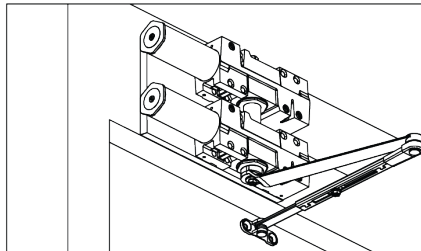
3 HOUR FIRE RATED  
UL10C, UBC7-2-1997



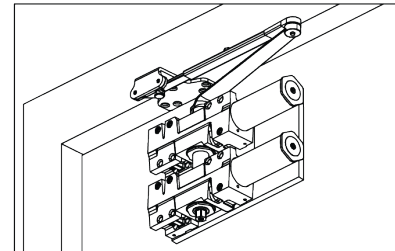
**REGULAR ARM  
(PULL SIDE) MOUNTING**



**TOP JAMB  
(PUSH SIDE) MOUNTING**



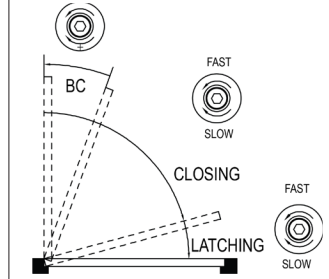
**PARALLEL ARM  
(PUSH SIDE) MOUNTING**



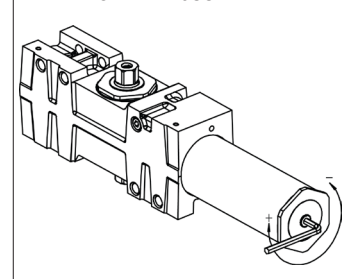
### POWER ADJUSTMENT AND DOOR WIDTH

| DOOR MAX WIDTH |            | ADJUSTING NUT<br>AND TURNS |
|----------------|------------|----------------------------|
| EXTERIOR       | INTERIOR   |                            |
| -----          | 5 lb-f     | -5 (counter clockwise)     |
| 8 lb-f         | 34" (864)  | -2 (counter clockwise)     |
| 30" (762)      | 38" (962)  | 0                          |
| 36" (914)      | 48" (1219) | +5 (clockwise)             |
| 42" (1067)     | 54" (1372) | +10 (clockwise)            |
| 48" (1219)     | 60" (1524) | +15 (clockwise)            |

### RUNNING AND BC ADJUSTMENT



### POWER ADJUSTMENT



When a single door closer is not strong enough to close a door weighing 260 ~ 520 lbs, the **CONCR441KIT** allows two CR441 Series Grade 1 Door Closers to work as one, by connecting them together with the high-tensile strength steel connector sleeve nut on a steel mounting plate, doubling the strength and the door weight capacity while maintaining the opening force.

### FEATURES

- Connects Two CR441 Series Door Closers
- For Doors 260 ~ 520 lbs Weight
- Can be Used for Regular Arm, Top Jamb or Parallel Arm Mounting
- Easy Mounting
- High Tensile Strength Steel Connector Sleeve Nut
- 12 1/8" x 7" x 3/16" Steel Mounting Plate
- 4" x 1/4" - 20" x 2 1/8" Mounting Screws

### TABLE OF SIZES

Closing power of CR441 closers may be adjusted 50%

→ Shows recommended range of door width for closer size.

#### EXTERIOR (and VESTIBULE) DOOR WIDTH

| 24"          | 30"    | 36"    | 42"    | 48" |
|--------------|--------|--------|--------|-----|
| size 3       | size 4 | size 5 | size 6 |     |
| CR441 Series |        |        |        |     |

Minimum Door Width

#### INTERIOR DOOR WIDTH

| 24"          | 34"    | 38"    | 48"    | 54"    | 60" |
|--------------|--------|--------|--------|--------|-----|
| size 2       | size 3 | size 4 | size 5 | size 6 |     |
| CR441 Series |        |        |        |        |     |

Minimum Door Width

Adjustable Size 1 thru 6

## CR441EHO - CR441 WITH ELECTRONIC HOLD-OPEN TRACK

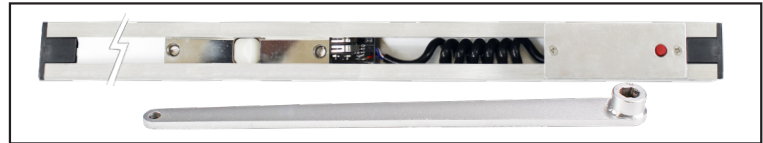
### DOOR CLOSER BODY FEATURES

- Full Cover Multi-size
- Full Feature Closer
- ANSI A156.4 Grade 1
- UL Listed, Conforms to Standards
- UL10C and UBC7-2-1997
- BHMA Certified Lifetime Warranty
- Electronic Hold-Open Track



### CR441 EHO FEATURES

- Heavy Duty Electronic Closer / Holder Track for CR441 Door Closers
- Designed for Single Point Hold-Open for Fire and Smoke Barrier Doors
- Designed to Hold Doors Open in Normal Use and Close Under Fire Conditions
- Adjustable Hold-Open Force
- Functions as a Full Rack and Pinion Closer when Hold-Open is Not Engaged or Current is Interrupted
- Door Opening can be Adjusted on the Track Arm
- Concealed or Surface Wiring
- Interfaces with Alarm Systems
- Mounts on Either Head Frame or Stop
- Non-Handed
- Non-Sized
- 24V AC / DC Input for Holding Solenoid
- Includes Test Switch for Integrity Cycle Test



The **CR441EHO** is a Grade 1 heavy duty door closer with electrically controlled hold-open track arm. It is designed to provide adjustable hold-open for fire and smoke barrier doors.

Door is held open until current interruption releases mechanism and the door closes. It can also be interfaced to any alarm systems and has a built-in switch for integrity cycle testing.

Single lever (track) arm closer is specifically designed for interior doors.

The **CR441EHO** series door closer body is UL & cUL listed for smoke barrier or labeled fire doors. Tested and certified under ANSI Standard A156.15. Conforms to life safety code, NFPA 101. **BHMA** Certified Lifetime Warranty.

## CR271PC - CR441 POCKET DOOR CLOSER APPLICATION

### FEATURES

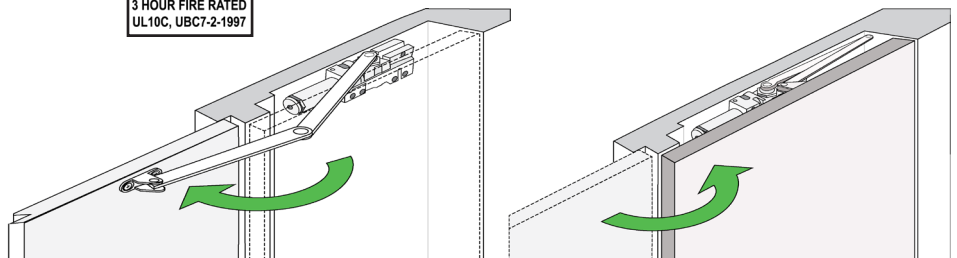
- Cal-Royal's **EXTRA POWERFUL** Hydraulic Door Closer Series
- Meeting The Highest Industry Standards
- ANSI A156.4, Grade 1, UL and cUL Listed
- Cast Iron, Non-Handed
- **High Performance Hydraulic Fluid**
- **Higher Tensioned Steel Spring**
- **High-Demand Performance Applications**
- **Heavy Duty Double Lever Forged Steel Arm** with Extra Smooth Action

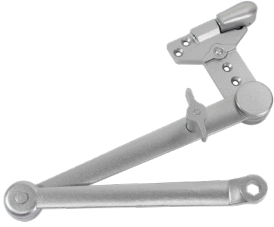








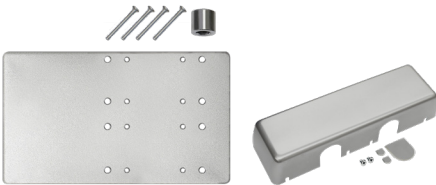


**CR271PC** is the CR441 Series' Pocket Door Closer. It is the same CR441 (cylinder) body specially re-engineered for pocket door closer applications. It uses a higher tensioned steel spring, combined with a high-performance hydraulic fluid to withstand high-demand performance applications. Due to the higher force required to open the door 180 degrees, a heavy duty lever forged steel arm was designed 1" longer than the standard CR441 arm for an extra smooth action.



✓ For 180 DEGREES opening in a Pocket Door ONLY Application

✗ NOT FOR USE with conventional hinges or latching hardware



|  |  |   |
|--|--|---|
|   |   |    |
| <b>3049HOSPRING</b>  | <b>CR3077SPRING</b>  | <b>CR3049HOSRPS</b>   |
| <ul style="list-style-type: none"> <li>• Super rigid parallel arm stopper with hold-open</li> <li>• Forged Steel Constructions</li> <li>• Non-handed</li> <li>• Spring loaded stop in soffit shoe</li> <li>• Handle controls hold-open function</li> <li>• Equivalent to <b>LCN SPRING H-CUSH ARM</b></li> </ul> | <ul style="list-style-type: none"> <li>• Super rigid parallel arm stopper</li> <li>• Forged Steel Constructions</li> <li>• Non-handed parallel arm</li> <li>• Spring loaded stop in soffit shoe</li> <li>• Equivalent to <b>LCN SPRING CUSH ARM</b></li> </ul> | <ul style="list-style-type: none"> <li>• Super rigid parallel arm stopper with hold-open</li> <li>• Forged Steel Constructions</li> <li>• Non-handed with stop in soffit shoe</li> <li>• Handle controls hold-open function</li> <li>• Equivalent to <b>LCN H-CUSH ARM</b></li> </ul> |
|   |   |    |
| <b>CR3077SPAS</b>  | <b>CR3049HO</b>  | <b>CR3077HDAR</b>   |
| <ul style="list-style-type: none"> <li>• Super rigid parallel arm stopper</li> <li>• Forged Steel Constructions</li> <li>• Non-handed with stop in soffit shoe</li> <li>• Equivalent to <b>LCN CUSH-N-STOP ARM</b></li> </ul>  | <ul style="list-style-type: none"> <li>• Hold-open arm with parallel bracket</li> <li>• Forged Steel Constructions</li> <li>• Non-handed with stop in soffit shoe</li> </ul>   | <ul style="list-style-type: none"> <li>• Non-handed parallel arm</li> <li>• Forged Steel main arm and forearm</li> <li>• For potentially abusive installations</li> </ul>   |
|   |   |    |
| <b>CR441ARM</b>  | <b>CR441EXT</b>  | <b>TRACK441</b>   |
| <ul style="list-style-type: none"> <li>• Forged Steel main arm and forearm</li> <li>• Non-handed</li> <li>• Door closer arm (Main and regular forearm)</li> </ul>  | <ul style="list-style-type: none"> <li>• Extended long arm (3" extension)</li> <li>• Non-handed</li> <li>• For top jamb with deep reveals</li> </ul>   | <ul style="list-style-type: none"> <li>• Slide track arm</li> <li>• With removable hold-open clip</li> <li>• Non-handed</li> </ul>  |
|    |   |    |
| <b>CONCR441KIT</b>   | <b>CR441 / TNDM</b>  | <b>CR441EHO</b>   |
| <ul style="list-style-type: none"> <li>• CR441 Tandem Connector Sleeve Nut</li> <li>• Mounting Plate</li> <li>• Master Cover</li> <li>• Universal use for regular arm, top jamb, or parallel arm mounting</li> </ul>   | <ul style="list-style-type: none"> <li>• 1 each CONCR441KIT</li> <li>• 2 each of CR441 door closers</li> <li>• Universal use for regular arm, top jamb, or parallel arm mounting</li> </ul>  | <ul style="list-style-type: none"> <li>• Electronic Hold Open Arm with door closer</li> <li>• Mounts on either head frame or stop</li> <li>• Non-handed</li> <li>• Non-sized</li> <li>• 24V AC / DC input for holding solenoid</li> </ul>   |

|   |   |  |   |   |  |
|---|---|--|---|---|--|
|    |   |   |   |    |  |
| <b>CR18PA</b>   |   | <b>CR18</b>  |   | <b>CR18TJ</b>   |  |
| <ul style="list-style-type: none"> <li>• Drop plate for parallel arm where mounting and top rail is less than 5 1/2" measured from stop</li> <li>• Plate requires 2" minimum top rail</li> <li>• Non-handed</li> </ul>            |   | <ul style="list-style-type: none"> <li>• Drop plate used where top rail is less than 3 3/4"</li> <li>• Non-handed</li> </ul>   |   | <ul style="list-style-type: none"> <li>• Drop plate for top jamb where face is less than 3 1/2"</li> <li>• Non-handed</li> </ul>                      |  |
|    |   |   |   |    |  |
| <b>CR18G</b>  |   | <b>CR441PA</b>   |   | <b>CRWRENCH</b>   |  |
| <ul style="list-style-type: none"> <li>• Drop plate for top jamb mounted closer flush with top of head frame face in flush ceiling condition</li> <li>• Plate requires 1 3/4" minimum head frame</li> <li>• Non-handed</li> </ul> |   | <ul style="list-style-type: none"> <li>• Parallel Arm Bracket</li> </ul>   |   | <ul style="list-style-type: none"> <li>• Variable-sized hexagonal wrench for CR3049HO Arm</li> </ul>  |  |
|    |   |   |   |    |  |
| <b>CR441COV</b>   |   | <b>CR441COV US32D</b>  |   | <b>CR441COVMET28</b>  |  |
| <ul style="list-style-type: none"> <li>• Plastic material cover</li> <li>• Non-handed</li> </ul>  |   | <ul style="list-style-type: none"> <li>• Stainless Steel material cover</li> <li>• Non-handed</li> </ul>   |   | <ul style="list-style-type: none"> <li>• Steel material cover</li> <li>• Non-handed</li> <li>• Aluminum stock finish</li> </ul>                       |  |
|    |    |   |   |    |  |
| <b>CUSSS-61</b>   | <b>BLASS-30</b>   | <b>970138</b>  | <b>970</b>  | <b>706</b>  |  |
| <b>CUSH Shoe Support</b> <ul style="list-style-type: none"> <li>• Provide anchorage for fifth screw used with CUSH arms where reveal is less than 3-1/16" (78 mm)</li> </ul>  | <b>Blade Stop Spacer</b> <ul style="list-style-type: none"> <li>• Lower parallel arm shoe to clear 1/2" (13 mm) blade stop</li> </ul> | <ul style="list-style-type: none"> <li>• Sex bolts for 1 3/8" doors</li> <li>• Female part only</li> <li>• 1/4" - 20 (set of 4)</li> <li>• For Steel Door Application</li> </ul> | <ul style="list-style-type: none"> <li>• Sex bolts</li> <li>• Female part only</li> <li>• 1/4" - 20 (set of 4)</li> <li>• For Steel Door Application</li> </ul> | <ul style="list-style-type: none"> <li>• Thru bolts and grommet nuts</li> <li>• Set of 4</li> <li>• For Wood and Aluminum Door Application</li> </ul> |  |