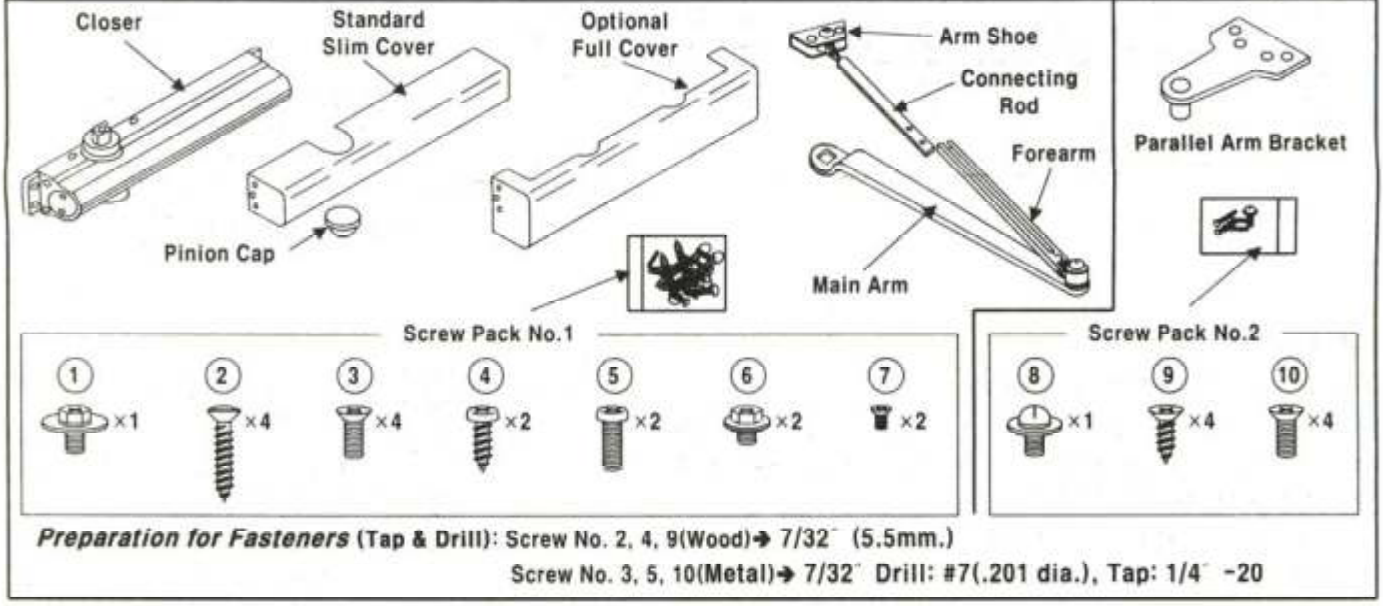
DH25629 Series Door Closer

UL LISTED

Conforms To Standards UL10C and UBC7-2-1997

Components

Figure 1.



Preparation for Fasteners (Tap & Drill): Screw No. 2, 4, 9(Wood)→ 7/32˝ (5.5mm.)
Screw No. 3, 5, 10(Metal)→ 7/32˝ Drill: #7(.201 dia.), Tap: 1/4˝ -20

Unit Adjustment

Control Valve Adjustments
(see Figure 2)

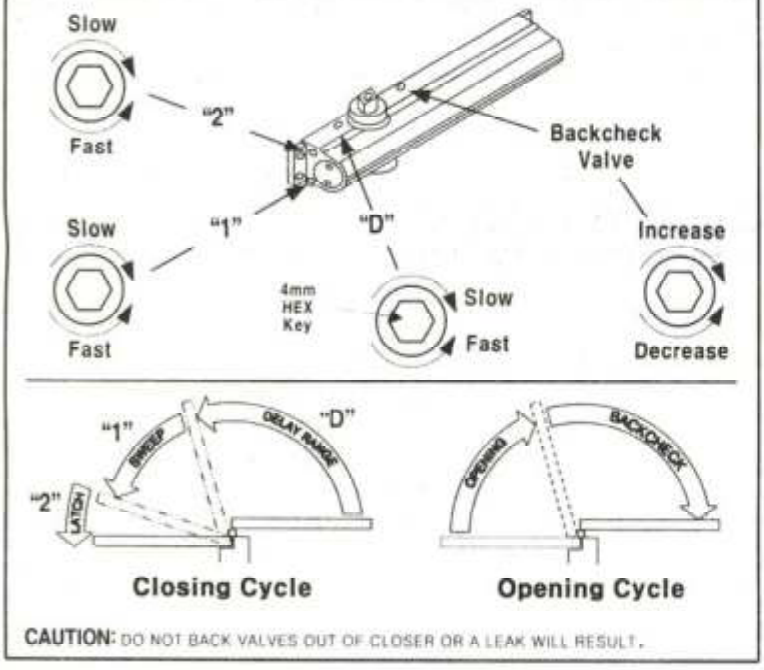
Closing Speed Controls(Figure 2)
- Valve "1" Controls Sweep Range.
- Valve "2" Controls Latch Range.
- Valve "D" Controls Delay Range. (Optional)

Opening Cycle
- "Backcheck" valve controls the strength of cushioning in Backcheck Range. NEVER close this valve completely- it is not to provide a positive stop. (see Figure 2).

Closing Power Adjustment

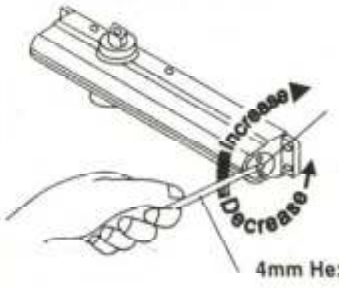
Using "Power Adjustment Chart" from page 3,4 or 5, Select the correct number of turns for power adjustment nut that corresponds with the installation. With 4mm Hex key, rotate adjustment nut full 360˚ clockwise turns to desired setting. After closer has been installed and proper adjustments made to the sweep and latch, it may be necessary to readjust spring power for good closing action.

Closing Speed & Opening Door Controls Figure 2.



CAUTION: DO NOT BACK VALVES OUT OF CLOSER OR A LEAK WILL RESULT.

Spring Power Adjustment Figure 3.

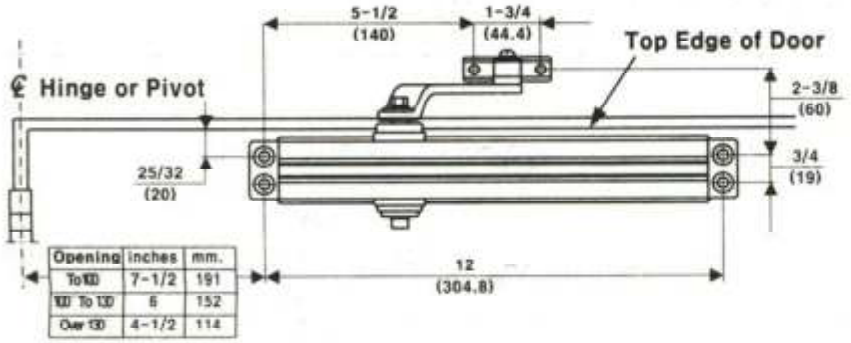


ADJUST SPRING POWER	
CLOSER SIZE	CLOCKWISE TURNS OF ADJUSTING NUT
1	0
2	2
3	4
4	8
5	12
6	16

Regular Arm

Installation Instructions

Template

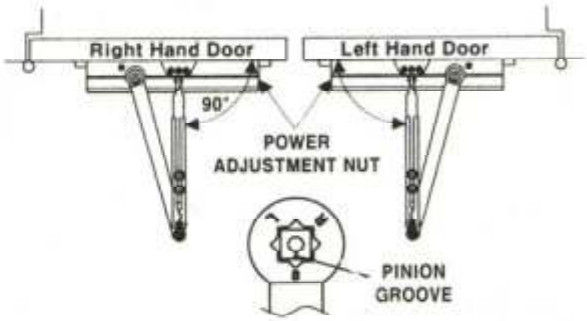


Opening	inches	mm.
To 90	7-1/2	191
90 To 120	6	152
Over 120	4-1/2	114

- RIGHT HAND DOOR SHOWN.
- SAME DIMENSIONS APPLY FOR LEFT HAND DOOR MEASURED FROM CENTERLINE OF PIVOT POINT.
- DIMENSIONS ARE IN INCHES / (mm.)

PLEASE NOTE

- This drawing is not to full scale.
- Therefore, do not use it as your template to locate the hole positions while you fabricate your door and frame for the installation of this product.
- Instead make the measurements needed manually without the use of the enclosed template which is not to full scale.

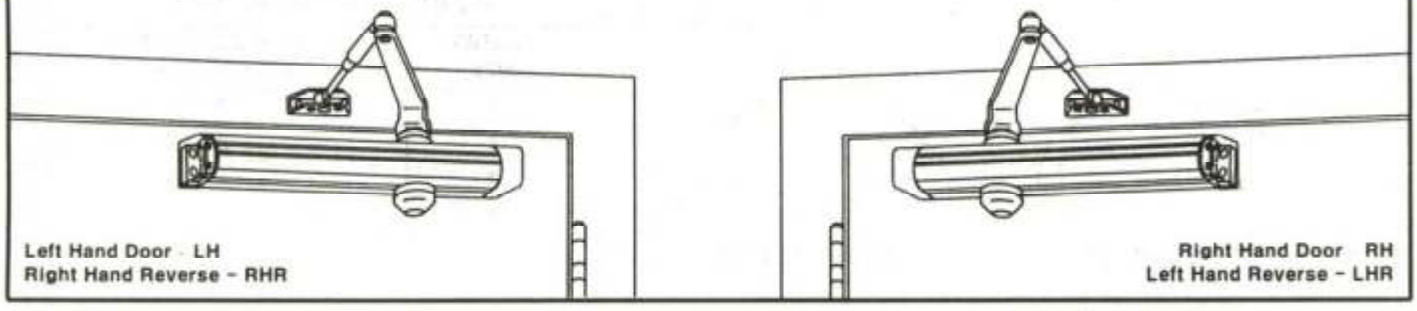


INSTALLATION INSTRUCTIONS

- Select angle of opening and use dimensions shown to locate 4 **HOLES ON DOOR** for closer body and 2 **HOLES ON FRAME** face for arm shoe.
- Prepare door and frame for fasteners. See "Preparation for Fasteners" , page 1-figure 1.
- Set closing power for door size using Chart see page 1-figure 3.
- Mount closer body on door with screws ②or③, page 1-figure 1.
  Be sure that power adjustment nut is away from hinge.
- Place main arm on closer pinion shaft with screw ① page 1-figure 1.
  Indexing main arm mark "S" with pinion groove as shown at right.
- Fix arm shoe to frame with screws ④or⑤, page 1-figure 1.
- Insert connecting rod into forearm.
- Pull main arm toward opposite side of hinge so that connecting rod will be perpendicular to door.
  Fix connecting rod on forearm using screws ⑥, page 1-figure 1.
- Adjust closer and install cover and pinion cap. (When full cover is installed, use screws ⑦, page 2- figure 1.)
- See page 1(figure 2.) for closer adjustment.

Regular Arm Installation

Closer mounts on hinge (pull) side of door. Closers illustrated with slim covers.



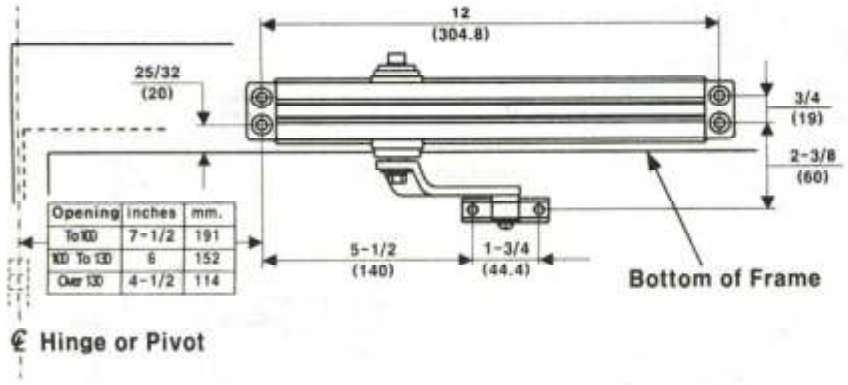
Left Hand Door - LH
Right Hand Reverse - RHR

Right Hand Door - RH
Left Hand Reverse - LHR

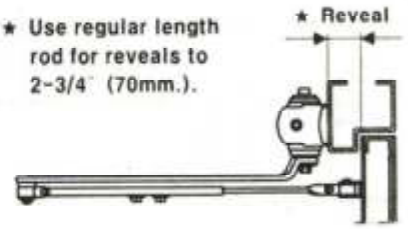
Top Jamb

Installation Instructions

Template



Opening	inches	mm.
To 100	7-1/2	191
100 To 130	6	152
Over 130	4-1/2	114



- RIGHT HAND DOOR SHOWN.
- SAME DIMENSIONS APPLY FOR LEFT HAND DOOR MEASURED FROM CENTERLINE OF PIVOT POINT.
- DIMENSIONS ARE IN $\frac{\text{INCHES}}{(\text{mm.})}$

PLEASE NOTE

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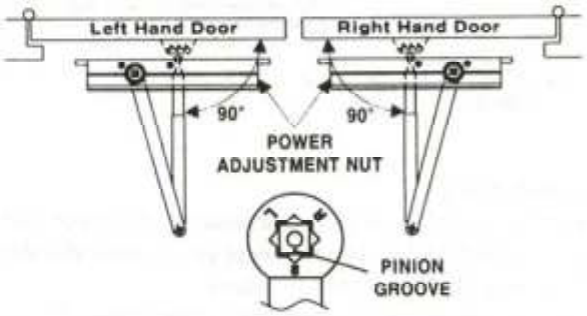
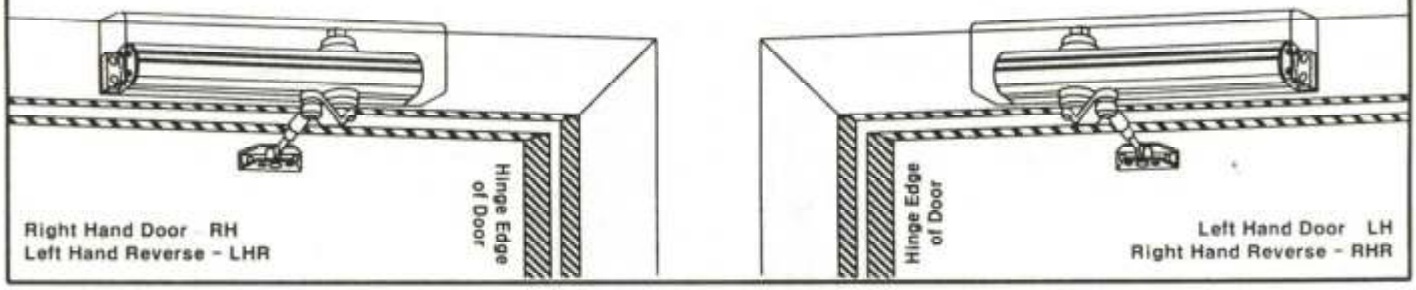


INSTALLATION INSTRUCTIONS

- Select angle of opening and use dimensions shown to locate 4 HOLES ON FRAME for closer body and 2 HOLES ON DOOR face for arm shoe.
- Prepare door and frame for fasteners. See "Preparation for Fasteners", page 1-figure 1.
- Set closing power for door size using Chart see page 1-figure 3.
- Mount closer body on frame with screws ②or③, page1- figure 1.
  Be sure that power adjustment nut is away from hinge.
- Place main arm on closer pinion shaft with screw ① page 1-figure 1.
  Indexing main arm mark "S" with pinion groove as shown at right.
- Fix arm shoe to door with screws ④or⑤, page 1-figure 1.
- Insert connecting rod into forearm.
- Pull main arm toward opposite side of hinge so that connecting rod will be perpendicular to door.
  Fix connecting rod on forearm using screws ⑥, page 1-figure 1.
- Adjust closer and install cover and pinion cap. (When full cover is installed, use screws ⑦, page 1- figure 1.)
- See page 1(figure 2.) for closer adjustment.

Top Jamb Installation

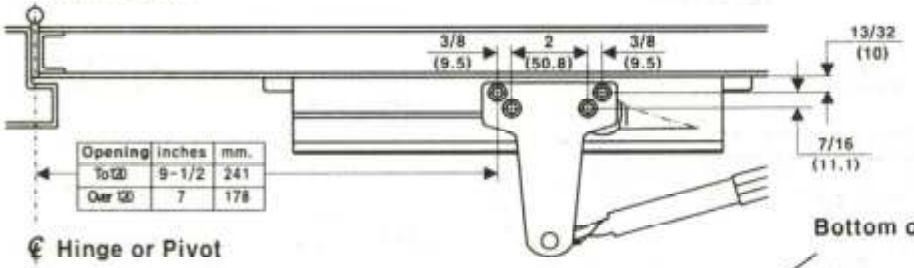
Closer mounts on frame face on opposite to hinge (push) side of door. Closers illustrated with full covers.

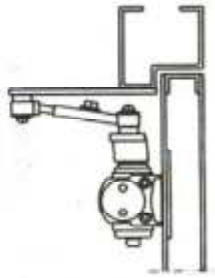


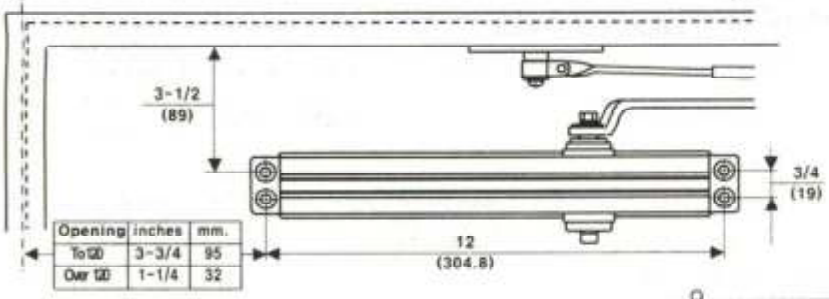
Parallel Arm

Installation Instructions

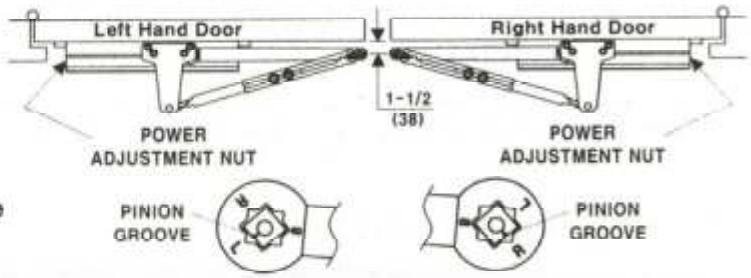
Template







- THIS DRAWING IS NOT TO FULL SCALE.
- LEFT HAND DOOR SHOWN
- SAME DIMENSIONS APPLY FOR RIGHT HAND DOOR MEASURED FROM CENTERLINE OF PIVOT POINT.
- DIMENSIONS ARE IN INCHES (mm.)



PLEASE NOTE

- Therefore, do not use it as your template to locate the hole positions while you fabricate your door and frame for the installation of this product.
- Instead make the measurements needed manually without the use of the enclosed template which is not to full scale.

INSTALLATION INSTRUCTIONS

- Select angle of opening and use dimensions shown to locate 4 HOLES ON DOOR for closer body and 4 HOLES ON FRAME face for parallel arm bracket.
- Prepare door and frame for fasteners. See "Preparation for Fasteners" , page 1-figure 1.
- Set closing power for door size using Chart below right and see page 1-figure 3.
- Mount closer body on door with screws ②or③, page 1-figure 1. **Be sure that power adjustment nut is toward hinge.**
- Place main arm on closer pinion shaft with screw ① page 1-figure 3. indexing main arm mark "L" or "R" with pinion groove as shown at right.
- Fix parallel arm bracket to frame with screws ⑨or⑩, page 1-figure 1.
- Disconnect arm shoe from connecting rod by removing screw. Remove arm shoe from connecting rod and discard. Assemble parallel arm bracket to connecting rod with screw ⑧, page 1-figure 1.
- Insert connecting rod into forearm.
- With door closed, adjust length of forearm and connecting rod so that the tip of the main arm is 1-1/2" (38mm.) from parallel with door. Secure with screws ⑥, page 2.
- Adjust closer and install cover and pinion cap.(When full cover is installed, use screws ⑦, page 1-figure 1.)
- See page 1(figure 2) for closer adjustment.

Parallel Arm Installation

Closer mounts opposite to hinge (push) side of door. Closers illustrated without covers.