



Non-Hold Open Models
Adjustable size : 1 thru 6
Optional Feature : Delayed Action
Back-Check



An Incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. these installations should be followed to avoid the possibility of misapplication or maladjustment. Read and follow instructions carefully.

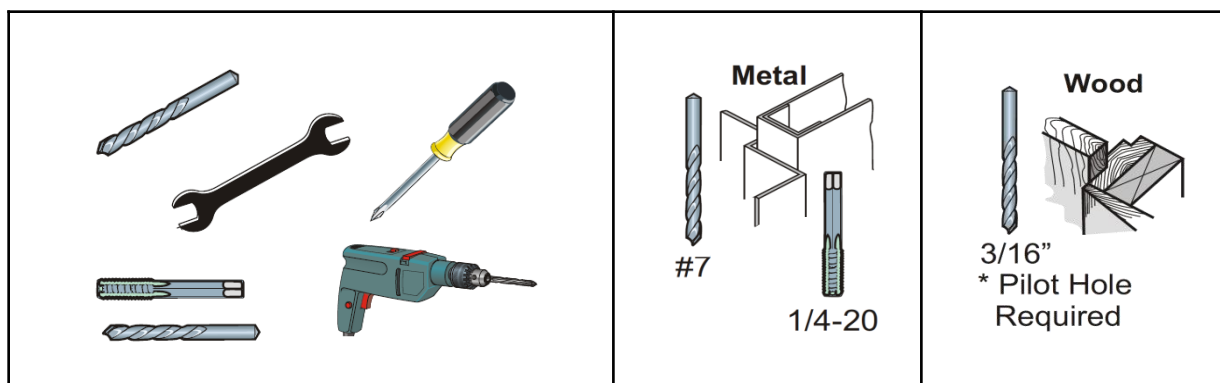
Note : Use this instruction sheet for installation sequence and closer adjustments only.

- ✓ Door should be hung on ball bearing or anti-friction hinge.
- ✓ A separate door stop is recommended.
- ✓ Door and frame must be properly reinforced.
- ✓ Adjusting closing time speed between 3 and 7 seconds from 90° ~ 0°.
- ✓ These door closers should NOT be installed on the exposed side (weather side) of exterior doors.

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Regular Arm installation-----	2~3
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Recommended tools



To ensure that your installation proceeds smoothly, please read this instructions carefully before begin.

Samhwa Precision Co., Ltd./Korea
ASSA ABLOY Group Company

E-MAIL : samhwa@kingdoorcloser.com
 TEL : 82-31-412-0100
 FAX : 82-31-497-8828
www.kingdoorcloser.com

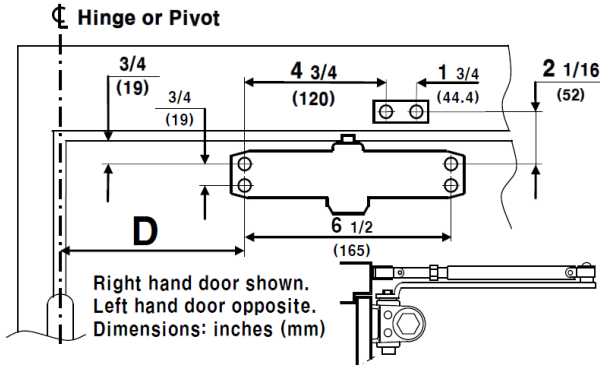
The global leader in door opening solutions

NSK600 series Door Closer

Installation Instructions – Regular Arm Installation

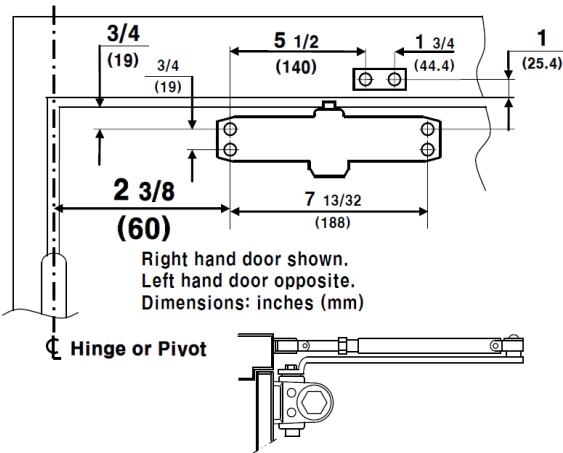
Diagram A - by each body size : in(mm)

Body SIZE #1 (181Lx43Wx62.5H)

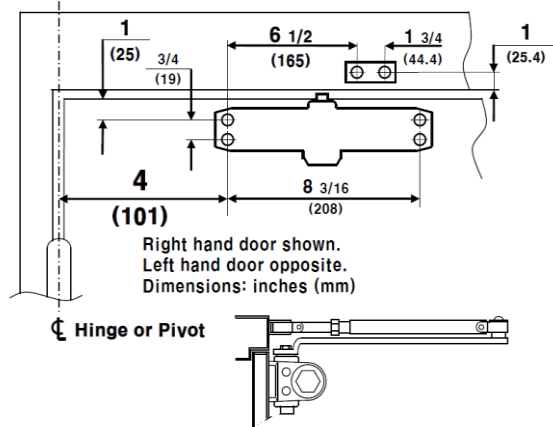


MODEL	D
71, 72, 510, 520, 610, 620 171, 172, 1510, 1520, 1610, 1620	2 7/16 (62)
73, 530, 630 173, 1530, 1630	3 9/16 (90)

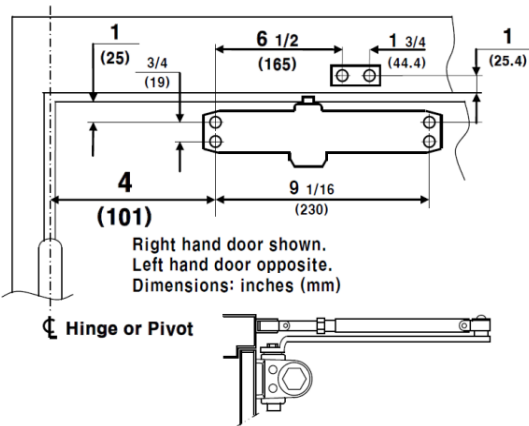
Body SIZE #2 (204Lx46.8Wx65.8H)



Body SIZE #3 (226Lx47.2Wx66.5H)

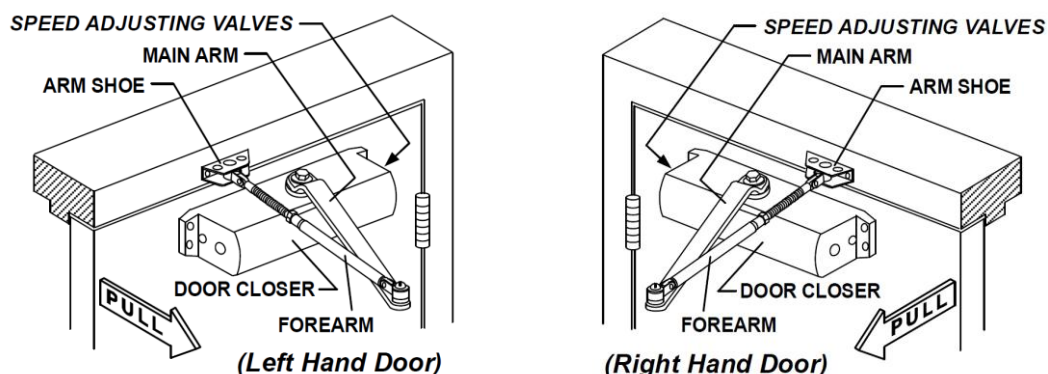


Body SIZE #4 (248Lx47.2Wx66.5H)



NSK600 series Door Closer

Installation Instructions – Regular Arm Installation



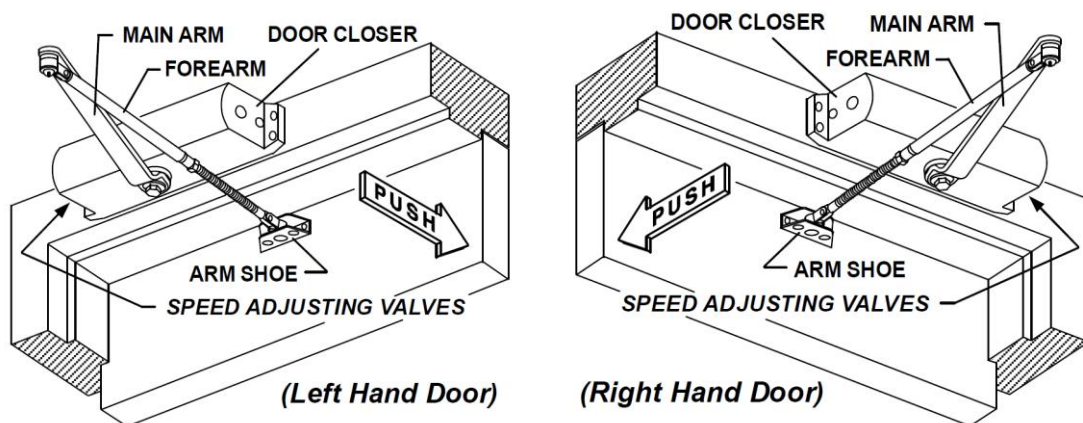
1. Using the measurements from diagram A, mark screw hole center locations. Mark four(4) location on door to mount door closer and two(2) locations on frame to mount arm shoe.
2. Drill pilot holes in door and frame, drill #14 all-purpose screws or drill and tap #7(.201" diameter) for 1/4-20 machine screws.
3. Install adjustable forearm/arm shoe to frame using screws provided.
4. Mount closer onto door using screws provided.

⚠ SPEED ADJUSTING VALVES MUST BE POSITIONED TOWARD HINGE SIDE.

5. Install main arm to top pinion shaft, perpendicular to door, Secure tightly with arm screw/washer
6. Adjust length of forearm so that forearm is perpendicular to frame when assembled to preloaded main arm. Secure forearm to main arm with screw/washer provided.
7. Adjust door's closing speed and power, see page 8 for reference.
8. Snap pinion cap over shaft at bottom of closer or install (optional) cover with using small screw.

NSK600 series Door Closer

Installation Instructions – Top Jamb Installation



1. Using the measurements from diagram B, mark screw hole center locations. Mark four(4) location on frame to mount door closer and two(2) locations on door to mount arm shoe.
2. Drill pilot holes in door and frame, #14 all-purpose screws or drill and tap #7(.201" diameter) for 1/4-20 machine screws.
3. Install adjustable forearm/arm shoe to frame using screws provided.
4. Mount closer onto door using screws provided.



SPEED ADJUSTING VALVES MUST BE POSITIONED TOWARD HINGE SIDE.

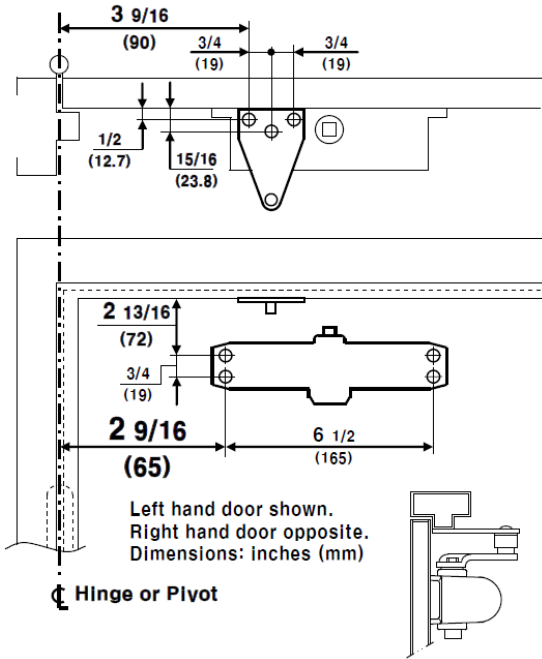
5. Install main arm to bottom pinion shaft, perpendicular to door, Secure tightly with arm screw/washer provided.
6. Adjust length of forearm so that forearm is perpendicular to frame when assembled to preloaded main arm. Secure forearm to main arm with screw/washer provided.
7. Adjust door's closing speed and power, see page 8 for reference.
8. Install (standard) cover with using small screw or snap pinion cap over shaft at top of closer.

NSK600 series Door Closer

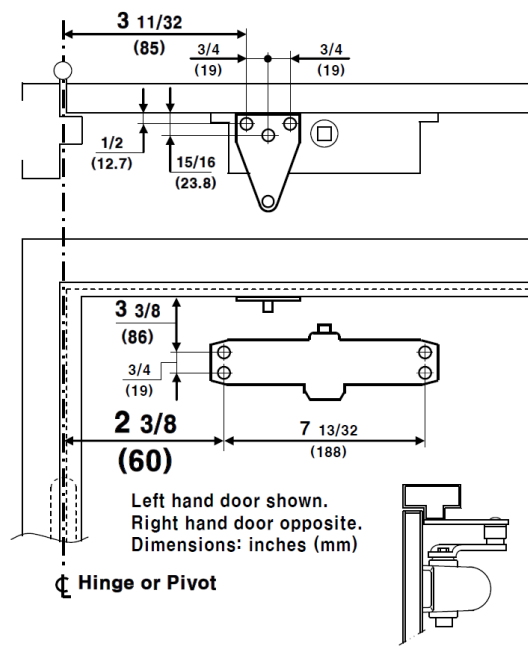
Installation Instructions – Parallel Arm Installation

Diagram C – by each body size : in(mm)

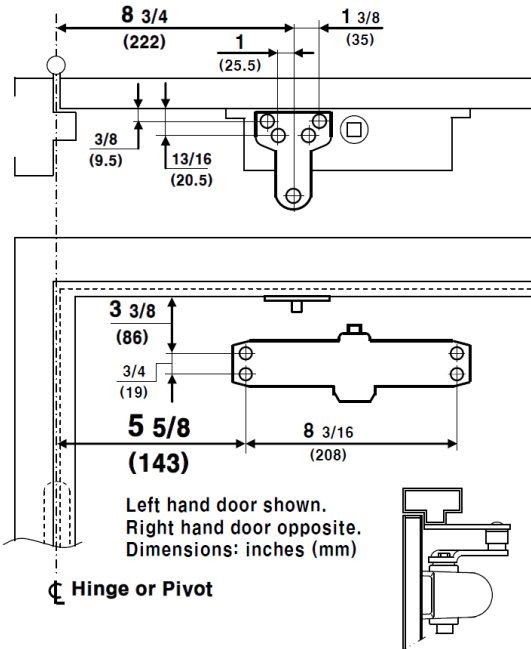
Body SIZE #1 (181Lx43Wx62.5H)



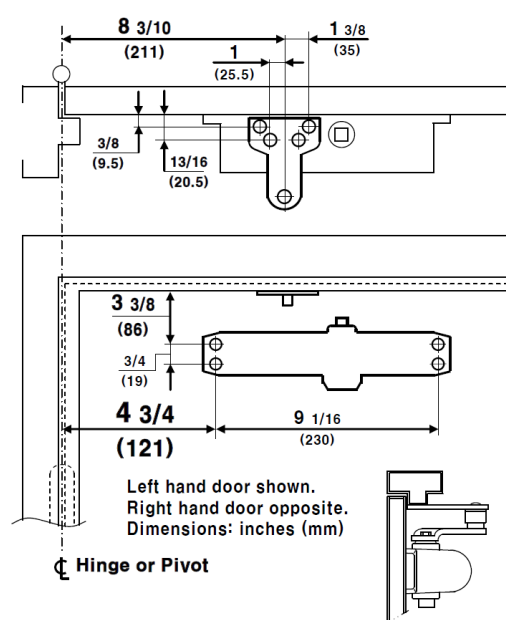
Body SIZE #2 (204Lx46.8Wx65.8H)



Body SIZE #3 (226Lx47.2Wx66.5H)

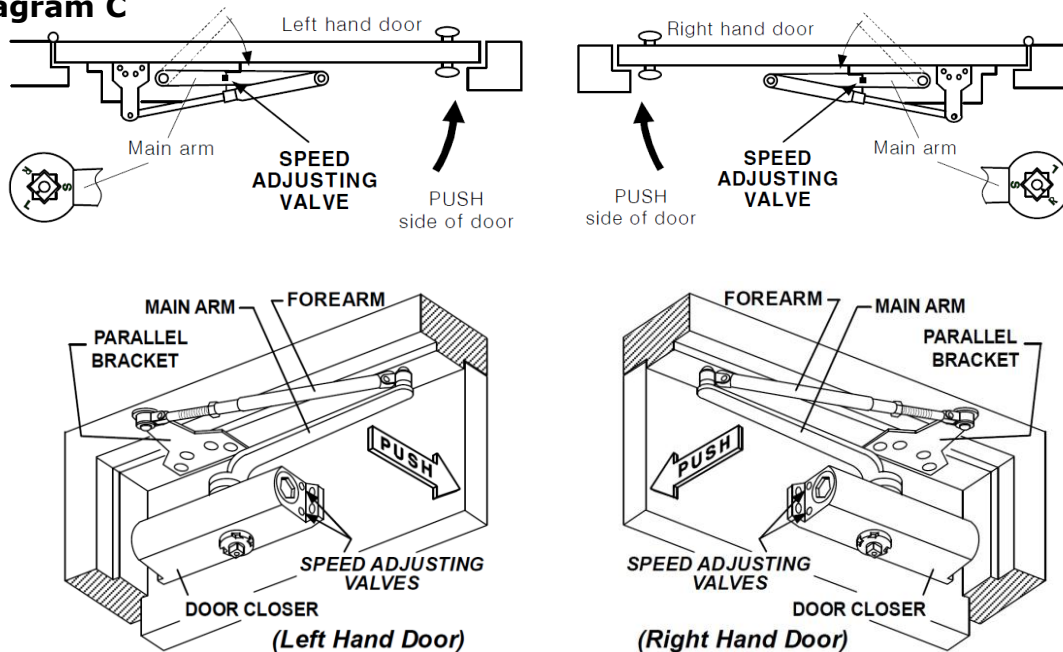


Body SIZE #4 (248Lx47.2Wx66.5H)



NSK600 series Door Closer

Installation Instructions – Parallel Arm Installation

Diagram C


1. Using the measurements from diagram C, mark screw hole center locations. Mark four(4) location on door to mount door closer and four(4) locations on inside frame to mount parallel bracket.
2. Drill pilot holes in door and frame for #14 all-purpose screws or drill and tap #7(.201" diameter) for 1/4-20 machine screws.
3. Install Parallel bracket to frame using screws provided.
4. Mount closer onto door using screws provided.

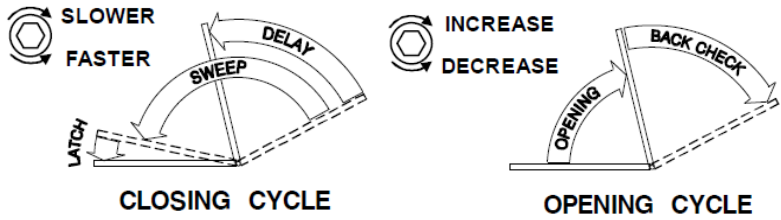
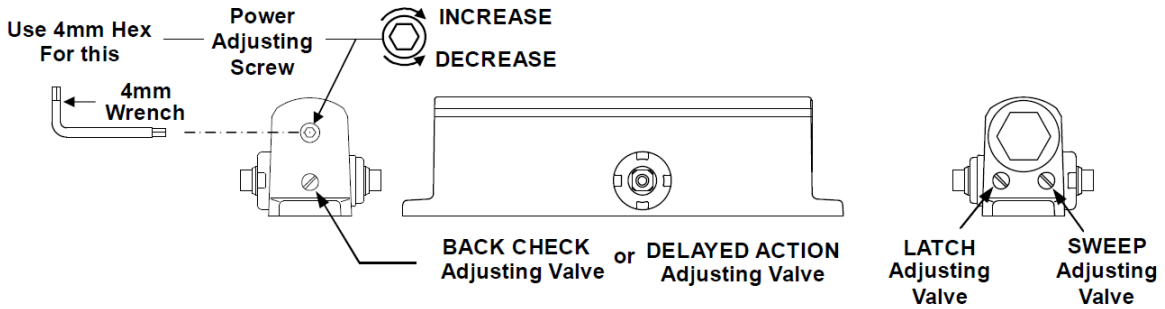
⚠ SPEED ADJUSTING VALVES MUST BE POSITIONED AWAY FROM HINGE SIDE.

5. Place main arm on closer pinion shaft, indexing main arm mark "L" or "R" with pinion flat as shown in diagram C, Secure tightly with screw/washer provided.
6. Remove arm shoe from forearm, install ROD and of forearm to bracket using the screw provided.
7. With door closed, adjust length of forearm so that the tip of the main arm is approximately 1-1/2"(38mm) away from being parallel with door, when connected to the forearm, secure with screw/washer provided.
8. Adjust door's closing speed and power, see page 8 for reference.
9. Install (standard) cover with using small screw or snap pinion cap over shaft at bottom of closer.

NSK600 series Door Closer

Installation Instructions – Adjustment Chart

⚠ CAUTION!! Do not turn speed adjusting valve more than two(2) full turns counter-clockwise from its order not back the valves out of closer or a leak will result.



CLOCKWISE FOR FULL NUMBERS (+)



COUNTERCLOCKWISE FOR NEGATIVE NUMBERS (-)

DOOR CLOSER SIZE	FULL TURNS OF POWER ADJUSTING SCREW	APPLICABLE DOOR LEAF WIDTH		APPLICABLE DOOR WEIGHT
		INTERIOR	EXTERIOR (SWING OUT)	
1	- 6	32" (0.81m)	28"(0.71m)	33~66 LBS (15~30Kg)
2	- 4	36"(0.91m)	32"(0.81m)	66~99LBS (30~45Kg)
3	0(PRE SET)	42"(1.07m)	36"(0.91m)	99~143LB (45~55Kg)
4	+ 5	48"(1.22m)	42"(1.07m)	143~187LBS (65~85Kg)
5	+ 9	54"(1.37m)	48"(1.22m)	187~264LBS (85~120Kg)