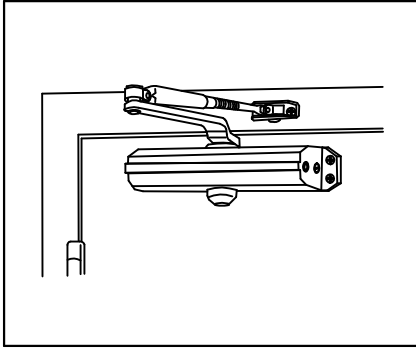




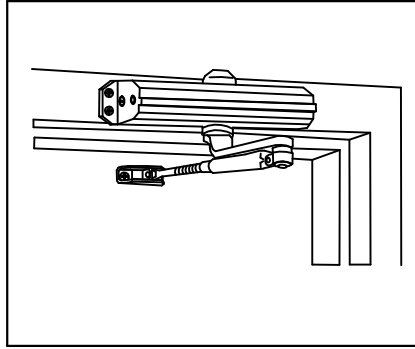
**C5000 Series Door Closer
Surface Mounted
Adjustable & Preset "Back Check"
Non Hold-Open / Hold-Open**

MODEL : C5160 ADJ 1-6 INSTALLATION INSTRUCTIONS

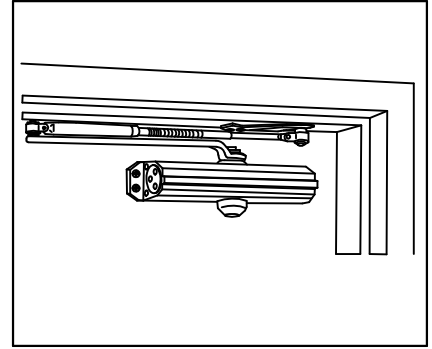
MOUNTING OPTIONS:



Regular Arm (Pull Side)

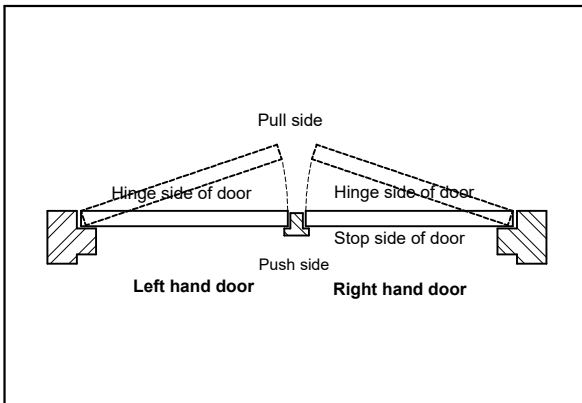


Top Jamb (Push Side)



Parallel Arm (Push Side)

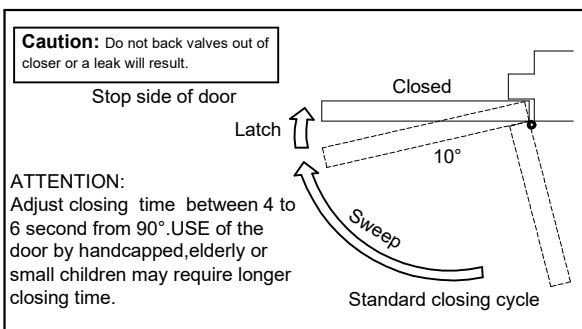
HAND OF DOOR



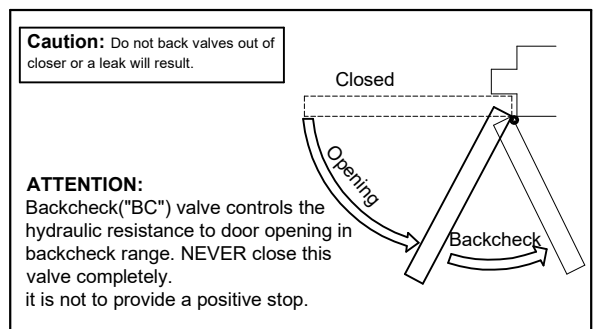
SPRING POWER SETTING AND DOOR WIDTH

Regular & Top Jamb Closers			Parallel Arm Closers		
Maximum Size of Door					
Interior	Exterior Inswing	Exterior Outswing	Interior	Exterior Outswing	Full 360° Turns
28"	—	—	—	—	-10 Turns C.W
36"	—	—	30"	—	-5 Turns C.W
42"	30"	36"	36"	30"	0 Turns
48"	36"	42"	42"	36"	5 Turns C.W
54"	42"	48"	48"	42"	10 Turns C.W
60"	48"	54"	54"	48"	15 Turns C.W

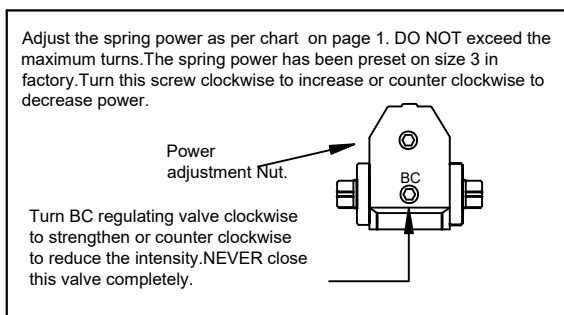
DOOR CLOSING CONTROL



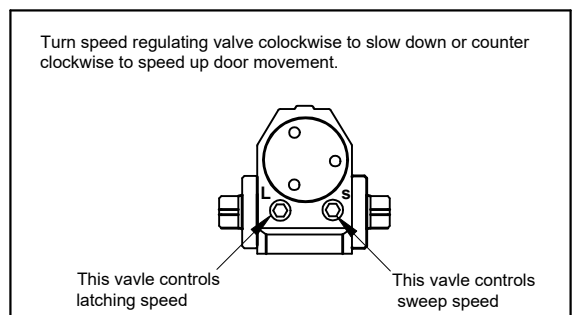
DOOR OPENING CONTROL



POWER SIZE AND BACK CHECK ADJUSTMENT



SWEEP AND LATCHING SPEED ADJUSTMENT





C5000 Series Door Closer
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Installation Instructions for REGULAR ARM (PULL SIDE) Mounting

TECHNICAL DIMENSIONS:

The technical drawing includes a side view of the door closer with dimensions: 6 (152) for the main arm length, 1-3/4 (44) for the foot offset, 1 (26) for the pinion offset, 1-1/4 (32) for the BC offset, 3/4 (19) for the pinion offset, and 9-1/16 (230) for the distance from the hinge to the main arm. A dimension 'A' is also indicated. Labels include Hinge, Speed Regulating Valves, Foot, Arm Screw, BC, Pinion Cap, and Door Leaf.

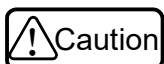
A top view shows the door leaf and door frame with labels for Door Frame, Door Leaf, and Position of arms and index settings. A 90-degree angle is shown between the main arm and the door leaf. A label 'Position of main arm when assembled to spindle' points to the main arm. A detail view shows the Pinion flat with 'V', 'S', and 'BC' markings.

- Right hand door shown
- Left hand door opposite
- Dimensions are in inches
- Not to scale drawing

Dimension Model No.:	Dimension "A"		Opening Angle
	Inch	mm	
C5160	7	178	TO 100°
	6	152	101° TO 120°
	3-1/2	89	OVER 180°

INSTALLATION STEPS:

1. Select opening degree of the door. Use dimensions as shown to drill mounting holes on door leaf and frame.
2. Assemble main arm to closer pinion spindle.
3. Attach the closer body to door leaf with speed regulating valves toward hinge.
4. Attach the foot and rod to the door frame.
5. Adjust length of the forearm to position forearm at right angle to the door leaf when connected to main arm at elbow. Use Washer and screw provided to secure pivot connection. Tighten locknut on forearm.
6. Snap pinion cap over spindle at bottom of closer.
7. Adjust closer as shown in Page 1.



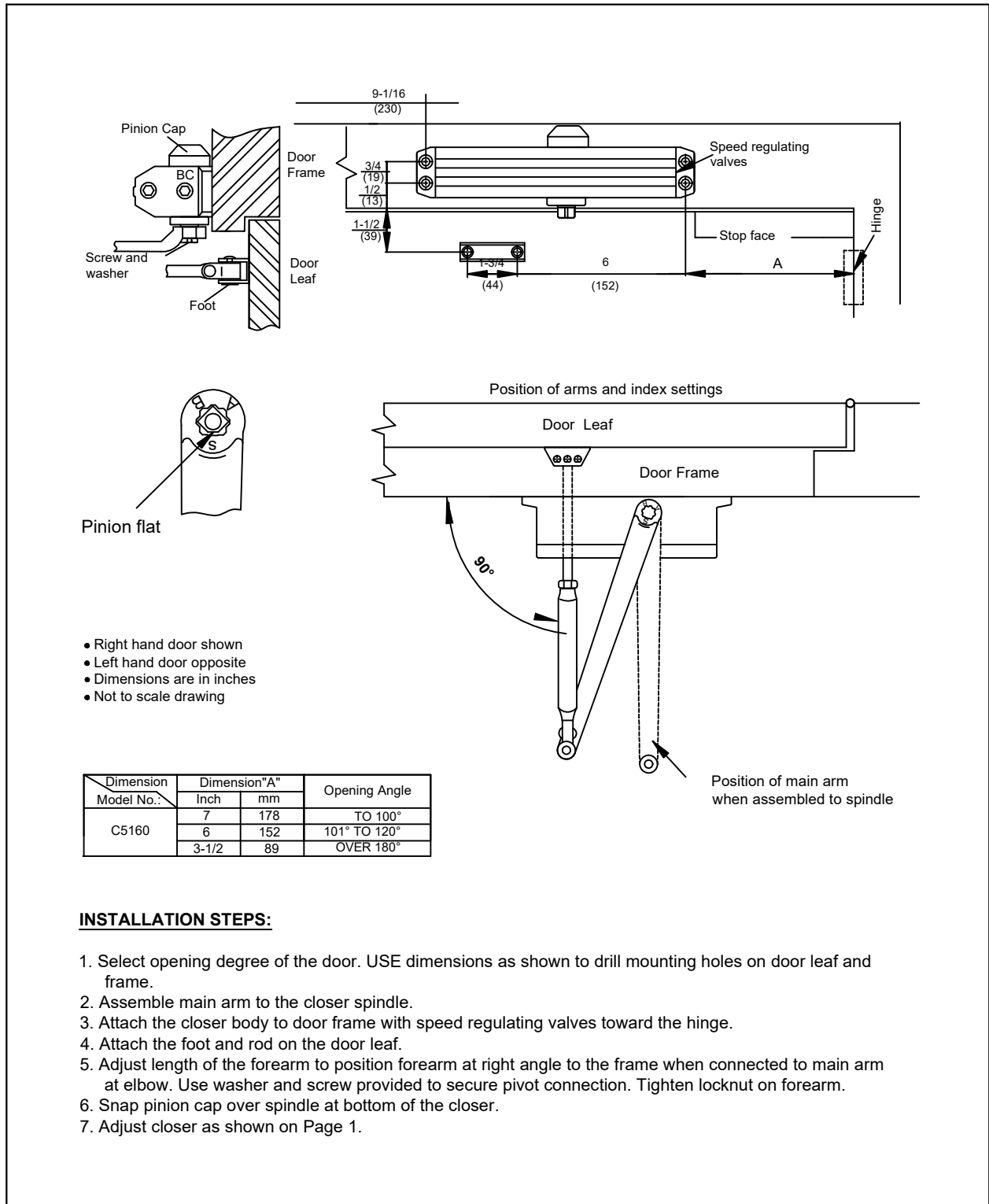
IMPROPER INSTALLATION MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE. FOLLOW ALL INSTRUCTIONS CAREFULLY.



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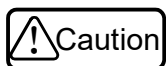
Installation Instructions for TOP JAMB (PUSH SIDE) Mounting

TECHNICAL DIMENSIONS:



INSTALLATION STEPS:

1. Select opening degree of the door. USE dimensions as shown to drill mounting holes on door leaf and frame.
2. Assemble main arm to the closer spindle.
3. Attach the closer body to door frame with speed regulating valves toward the hinge.
4. Attach the foot and rod on the door leaf.
5. Adjust length of the forearm to position forearm at right angle to the frame when connected to main arm at elbow. Use washer and screw provided to secure pivot connection. Tighten locknut on forearm.
6. Snap pinion cap over spindle at bottom of the closer.
7. Adjust closer as shown on Page 1.



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C5000 Series Door Closer
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Installation Instructions for PARALLEL ARM (PUSH SIDE) Mounting

TECHNICAL DIMENSIONS:

Dimension: Model No.:	Dimension "A"		Dimension "B"		Opening Angle
	Inch	mm	Inch	mm	
C5160	9-1/4	235	7-5/8	194	TO 100°
	7-3/4	197	6-1/8	156	101° TO 131°
	5-3/4	146	4-1/8	105	OVER 131°

- Right hand door shown
- Left hand door opposite
- Dimensions are in inches
- Not to scale drawing

Pinion flat
For left hand door

Pinion flat
For right hand door

INSTALLATION STEPS:

1. Select opening angle of the door. Use dimensions shown in chart and illustration above to drill mounting holes on door frame and leaf.
2. Attach closer to door leaf with speed regulating valves away from hinge.
3. Attach PA plate to top frame as shown.
4. Remove foot from forearm as shown and discard it.
5. Install main arm on pinion shaft. Rotate pinion 45° towards hinge edge of door to align main arm with pinion flat. Fasten with arm screw.
6. Fasten forearm to PA plate.
7. Adjust forearm length to set the arm elbow about 1-1/2" (38mm) from door when connected to main arm. Use washer and screw provided to secure pivot connection. Tighten locknut on forearm.
8. Snap pinion cap over spindle at bottom.
9. Adjust closer as shown on Page 1.

IMPROPER INSTALLATION MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE. FOLLOW ALL INSTRUCTIONS CAREFULLY.