

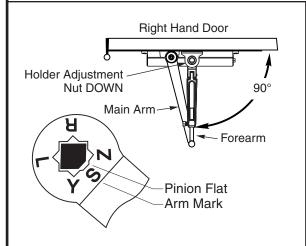
Opening	Dimension "A"
Opening	Diffiction /
To 100°	7 <u>-1/2</u> (191)
101° to 130°	<u>6</u> (152)
131° to *180°	4-1/2 (114)

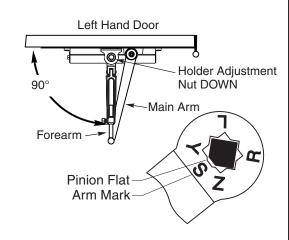
\*Door/Wall/Hardware/Jamb conditions permitting

### Notes:

- 1. Do not scale drawing.
- 2. Right hand door shown.
- 3. Dimensions given in inches (millimeters).
- Hollow metal doors require channel or box type reinforcement when thru-bolt mount is specified.
- 5. Sex bolts required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66mm) unless otherwise noted.

### **Position of Arm and Pinion Flat**





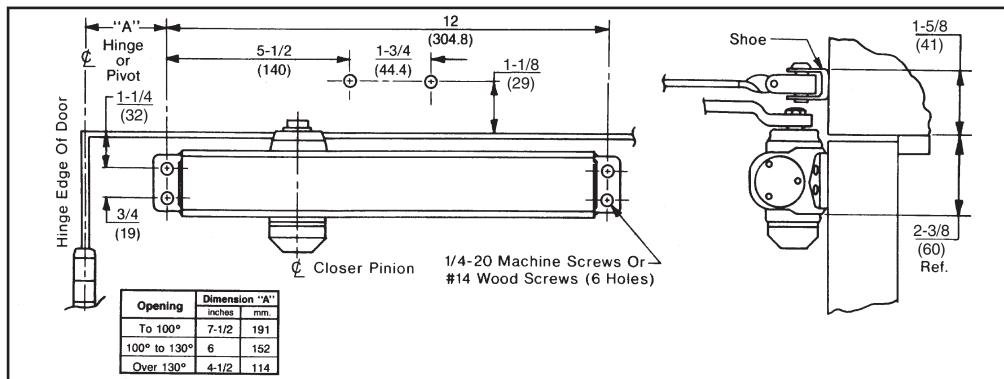


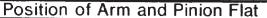
8000 Series Door Closer Regular Hold Open Application 8100H, 8300H, and 8500H

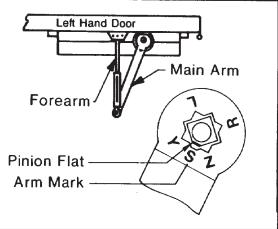


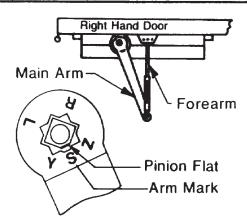
TEMPLATE NUMBER

REV DATE **3 01/22** 









- · Do not scale drawing.
- · Right hand door shown.
- Dimensions are in inches (mm.).
- · Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- · Sex bolts required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66 mm.) unless otherwise noted.



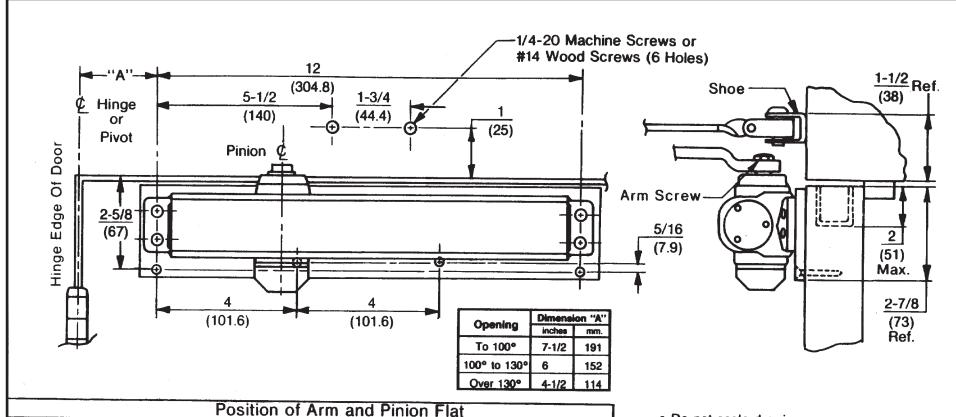
**8000 Series Door Closer Regular Arm Application** 8100, 8300, and 8500 Sizes 1 Thru 6

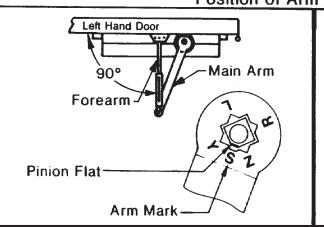
RIXSON

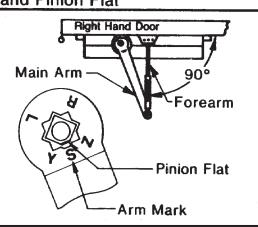
**ASSA ABLOY** 

TEMPLATE NUMBER

7380-0101 3 12/21







- Do not scale drawing.
- Right hand door shown.
- Dimensions are in inches (mm.).
- Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- Sex bolts required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66 mm.) unless otherwise noted.



8000 Series Door Closer Regular Arm Application With 8146 Back Plate for Concealed Holder Clearance 8100, 8300, and 8500 Sizes 1 Thru 6 RIXSON

ASSA ABLOY

TEMPLATE NUMBER **7380-0102** 

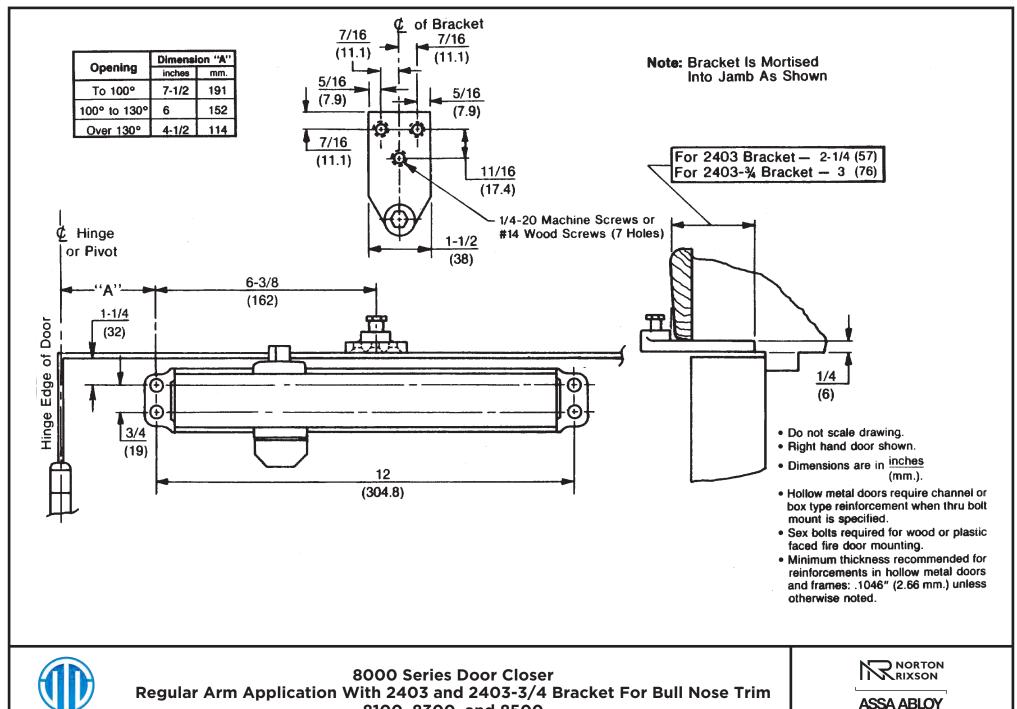
TEV DATE 12/21

<del>- Approved 2022-02-26</del>

TEMPLATE NUMBER

7380-0103

12/21



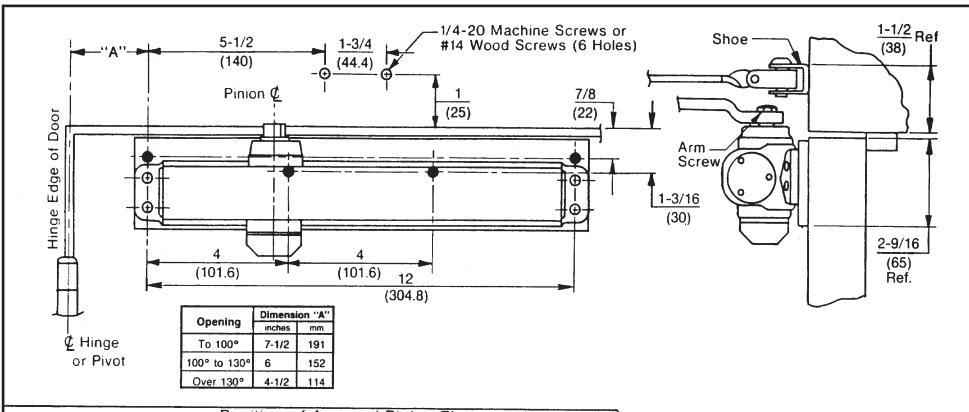
Approved 2022-02-26

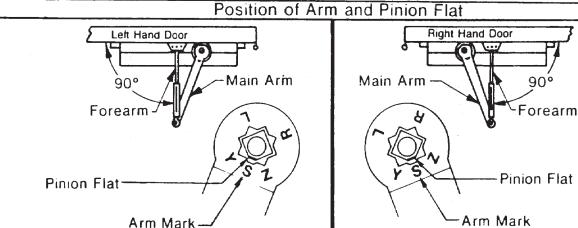
TRADEMARK

**HARDWARE** 

8100, 8300, and 8500

Sizes 1 Thru 6





- . Do not scale drawing.
- Right hand door shown.
- Dimensions are in inches (mm.).
- Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- Sex bolts required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66 mm.) unless otherwise noted.



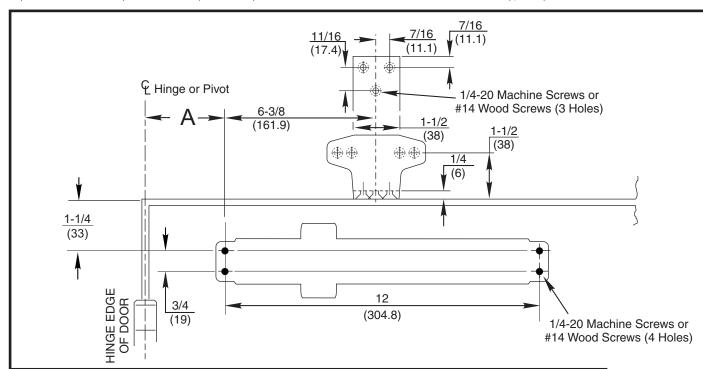
8000 Series Door Closer Regular Arm Application With 8146 Back Plate for 1-3/4 Top Rail 8100, 8300, and 8500 Sizes 1 Thru 6 RIXSON

ASSA ABLOY

TEMPLATE NUMBER

TEV DATE 12/21

7380-0104 3



# <u>2-1/4</u> ► for 80

Note: Bracket is mortised into jamb as shown.

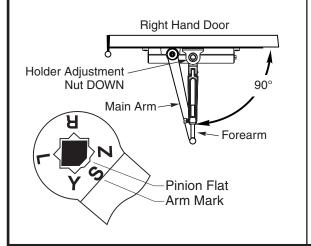
Opening	Dimension "A"
To 100°	7-1/2 (191)
101° to 130°	<u>6</u> (152)
131° to *180°	4-1/2 (114)

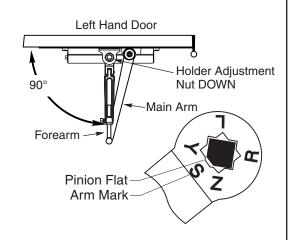
\*Door/Wall/Hardware/Jamb conditions permitting

### Notes:

- 1. Do not scale drawing.
- 2. Right hand door shown.
- 3. Dimensions given in inches (millimeters).
- 4. Hollow metal doors require channel or box type reinforcement when thru-bolt mount is specified.
- 5. Sex bolts required for wood or plastic faced fire door mounting.
- 6. Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66mm) unless otherwise noted.

### **Position of Arm and Pinion Flat**





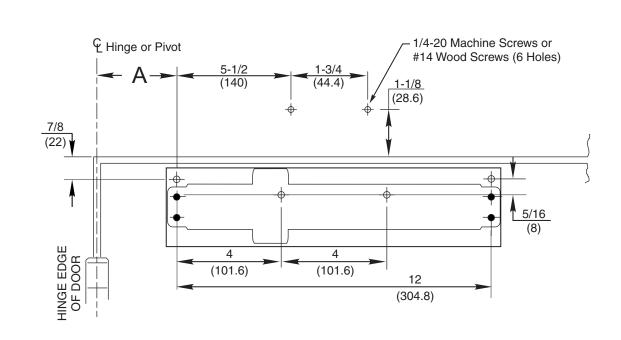


8000H Series Door Closer with 80 Bracket **Regular Hold Open Application For Bull Nose Trim** 8100H, 8300H, and 8500H Sizes 1Thru 6

NORTON RIXSON ASSA ABLOY

TEMPLATE NUMBER 7380-0107

01/22



# 1-3/4 (44) Ref

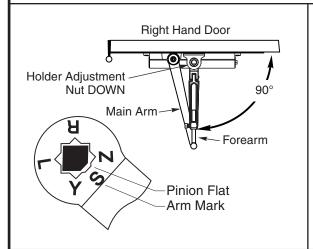
Opening	Dimension "A"	
To 100°	7 <u>-1/2</u> (191)	
101° to 130°	<u>6</u> (152)	
131° to *180°	4-1/2 (114)	

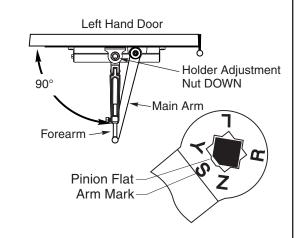
\*Door/Wall/Hardware/Jamb conditions permitting

### Notes:

- 1. Do not scale drawing.
- 2. Right hand door shown.
- 3. Dimensions given in inches (millimeters).
- Hollow metal doors require channel or box type reinforcement when thru-bolt mount is specified.
- 5. Sex bolts required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66mm) unless otherwise noted.

### **Position of Arm and Pinion Flat**



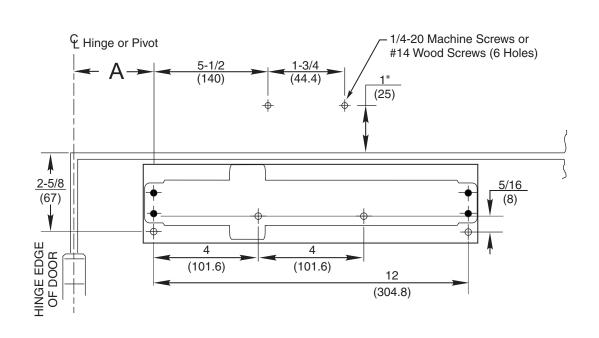


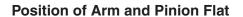


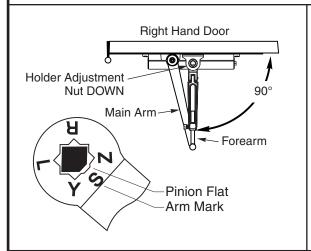
8000H Series Door Closer Regular Hold Open Application With 8146 Back Plate for 1-3/4 Top Rail 8100H, 8300H, and 8500H NORTON RIXSON ASSA ABLOY

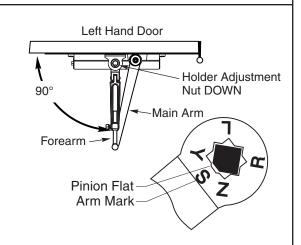
TEMPLATE NUMBER

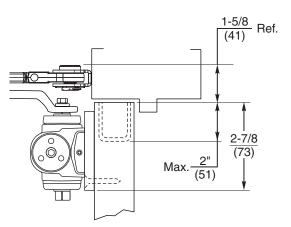
7380-0108 3 01/22











Note: Typical overhead stop channel.

Opening	Dimension "A"
To 100°	7-1/2 (191)
101° to 130°	<u>6</u> (152)
131° to *180°	4-1/2 (114)

\*Door/Wall/Hardware/Jamb conditions permitting

### Notes:

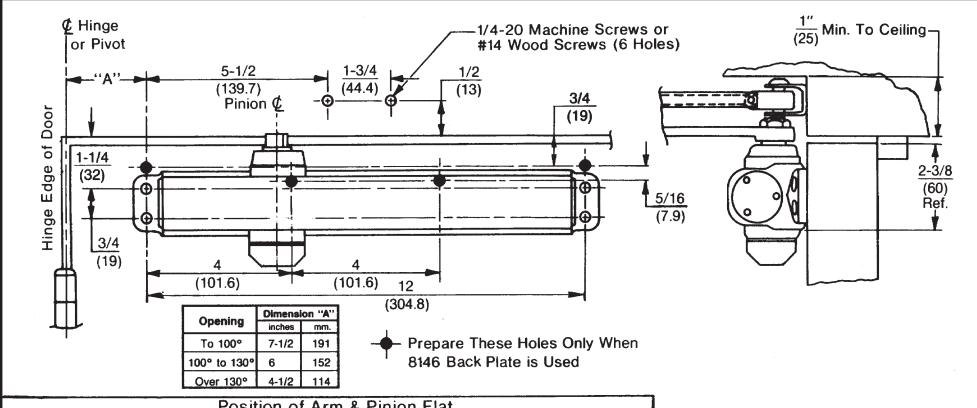
- 1. Do not scale drawing.
- 2. Right hand door shown.
- 3. Dimensions given in inches (millimeters).
- Hollow metal doors require channel or box type reinforcement when thru-bolt mount is specified.
- 5. Sex bolts required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66mm) unless otherwise noted.



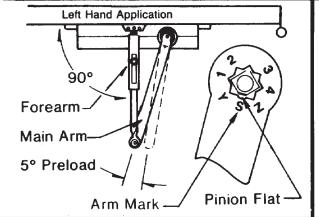
8000H Series Door Closer Hold Open Application With 8146 Back Plate for Concealed Stop Clearance 8100H, 8300H, and 8500H ASSA ABLOY

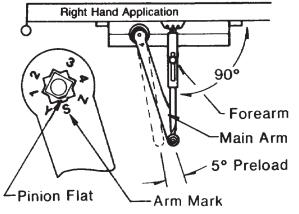
TEMPLATE NUMBER 7380-0109

REV DATE **01/22** 









- · Do not scale drawing.
- Right hand door shown.
- Dimensions are in inches (mm.).
- Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- Sex bolts required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66 mm.) unless otherwise noted.



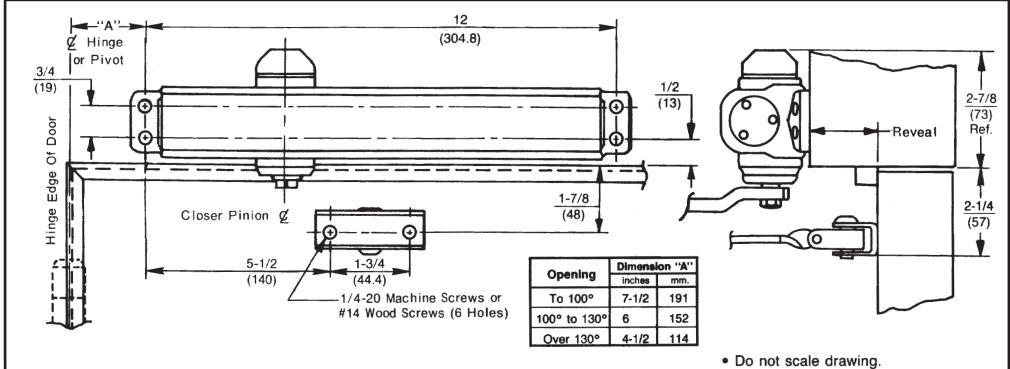
**8080 Series Door Closer** Regular Low Ceiling Arm Application With or Without 8146 Back Plate 8180, 8380, and 8580 Sizes 1 Thru 6

RIXSON

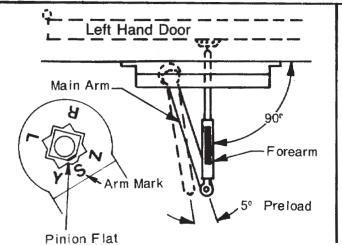
ASSA ABLOY

TEMPLATE NUMBER

12/21

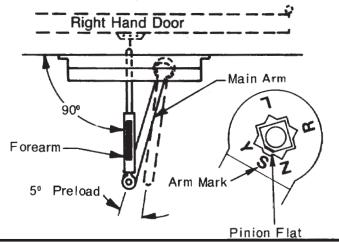






**TRADEMARK** 

HARDWARE



- · Left hand door shown.
- Dimensions are in inches (mm.).
- Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- · Sex bolts required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66 mm.) unless otherwise noted.
- Use regular length rod for reveals to 3" (76 mm.). Use long rod for reveals 2-3/4" (70 mm.) to 6-3/4" (171 mm.).

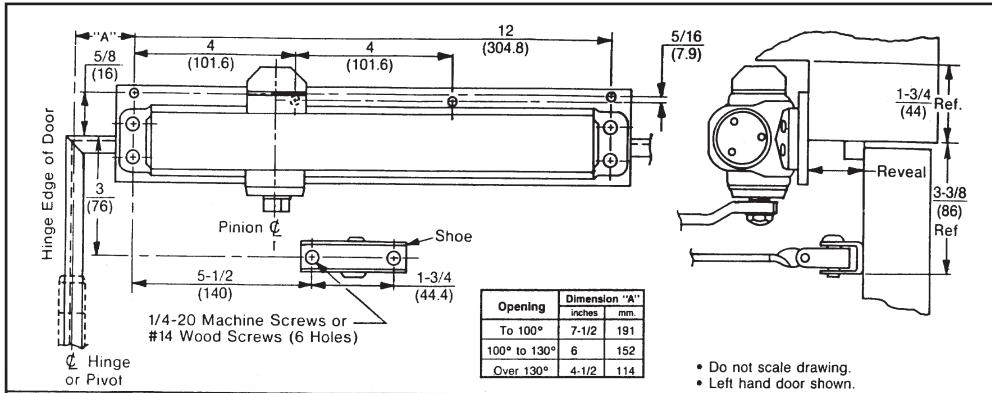
**J8000 Series Door Closer Top Jamb Application** J8100, J8300, and J8500 Sizes 1 thru 6

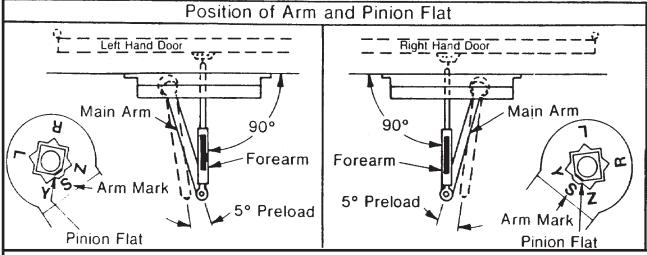
RIXSON

ASSA ABLOY

TEMPLATE NUMBER 7380-0150

12/21





- Dimensions are in inches (mm.).
- · Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- Sex bolts required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66 mm.) unless otherwise noted.
- · Use regular length rod for reveals to 3" (76 mm.). Use long rod for reveals 2-3/4" (70 mm.) to 6-3/4" (171 mm.).



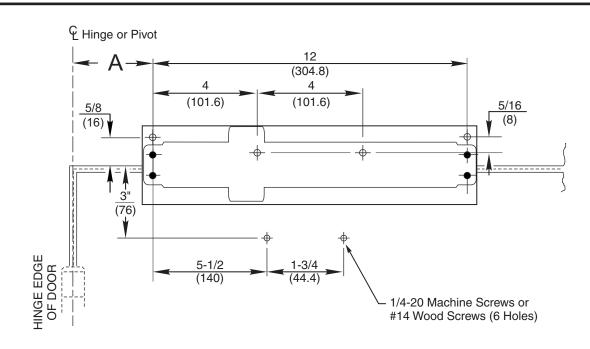
**J8000 Series Door Closer** Top Jamb Application With 8146 Back Plate for Low Ceiling Clearance J8100, J8300, and J8500 Sizes 1 thru 6

NORTON RIXSON

ASSA ABLOY

TEMPLATE NUMBER 7380-0151

3 12/21

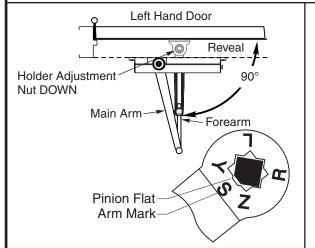


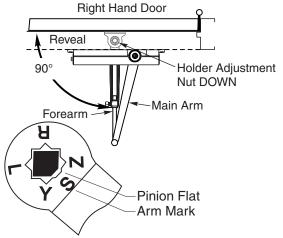
## 1-3/4 Min. to Ceiling Reveal 3-9/16 (90.5) Ref.

Dimension "A"
7-1/2 (191)
<u>6</u> (152)
4-1/2 (114)

\*Door/Wall/Hardware/Jamb conditions permitting

### **Position of Arm and Pinion Flat**





### Notes:

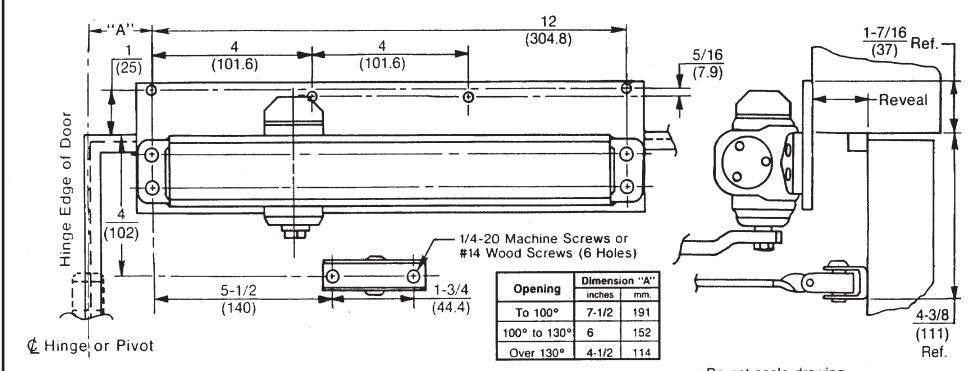
- 1. Do not scale drawing.
- 2. Left hand door shown.
- 3. Dimensions given in inches (millimeters).
- 4. Hollow metal doors require channel or box type reinforcement when thru-bolt mount is specified.
- 5. Sex bolts required for wood or plastic faced fire door mounting.
- 6. Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66mm) unless otherwise noted.
- 7. Use regular length rod for reveals to 3" (76mm). Use long rod for reveals 2-3/4" (70mm) to 6-3/4" (171mm).

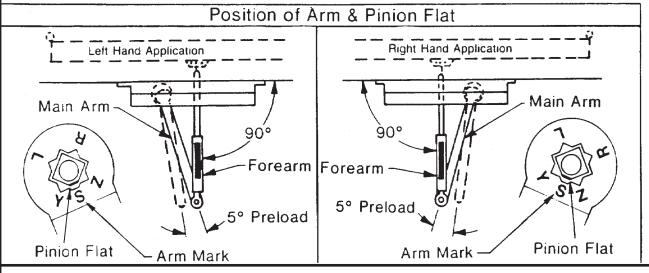


J8000H Series Door Closer Top Jamb Hold Open Application with 8146 Back Plate J8100H, J8300H, and J8500H Sizes 1 thru 6 NORTON RIXSON ASSA ABLOY

TEMPLATE NUMBER

REV DATE **3 01/22** 





- · Do not scale drawing.
- · Left hand door shown.
- Dimensions are in inches (mm.).
- Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- Sex bolts required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66 mm.) unless otherwise noted.
- Use regular length rod for reveals to 3" (76 mm.). Use long rod for reveals 2-3/4" (70 mm.) to 6-3/4" (171 mm.).



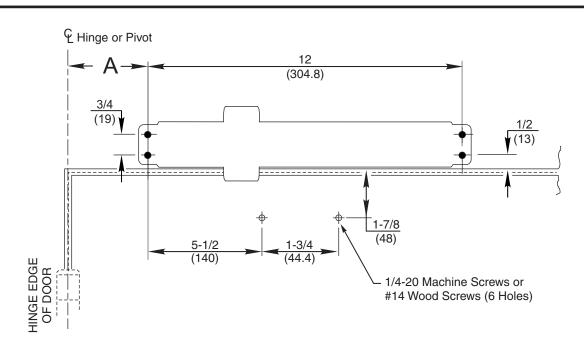
J8000 Series Door Closer Top Jamb Application With 8148 Drop Plate J8100, J8300, and J8500 Sizes 1 thru 6 RIXSON

ASSA ABLOY

TEMPLATE NUMBER **7380-0154** 

REV I

12/21

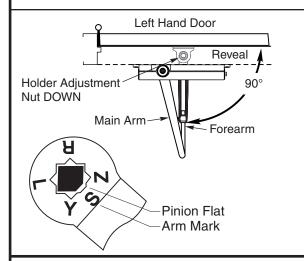


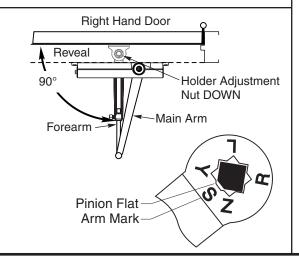
### 2-3/4 Ref. (70)Reveal 2-1/2 Ref. (63.5)

Opening	Dimension "A"
To 100°	7 <u>-1/2</u> (191)
101° to 130°	<u>6</u> (152)
131° to *180°	4-1/2 (114)

\*Door/Wall/Hardware/Jamb conditions permitting

### **Position of Arm and Pinion Flat**





### Notes:

- 1. Do not scale drawing.
- 2. Left hand door shown.
- 3. Dimensions given in inches (millimeters).
- 4. Hollow metal doors require channel or box type reinforcement when thru-bolt mount is specified.
- 5. Sex bolts required for wood or plastic faced fire door mounting.
- 6. Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66mm) unless otherwise noted.
- 7. Use regular length rod for reveals to 3" (76mm). Use long rod for reveals 2-3/4" (70mm) to 6-3/4" (171mm).

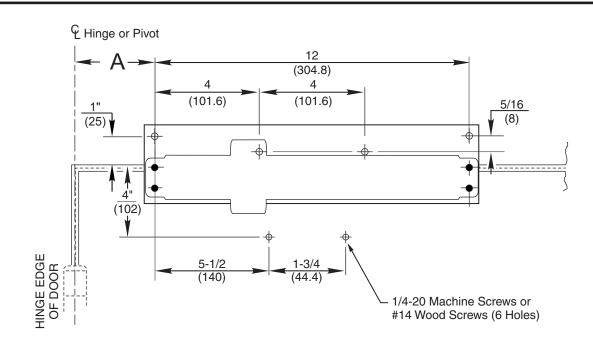


**J8000H Series Door Closer Top Jamb Hold Open Application** J8100H, J8300H, and J8500H Sizes 1 thru 6

RIXSON ASSA ABLOY

TEMPLATE NUMBER

7380-0155 01/22

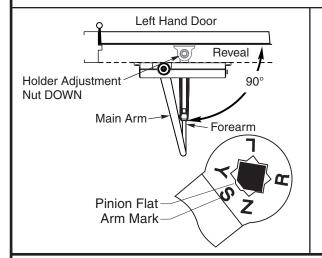


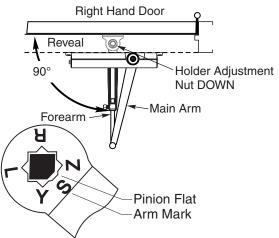
## Reveal $\frac{4-9/16}{(116)}$ Ref.

Opening	Dimension "A"
To 100°	7-1/2 (191)
101° to 130°	6 (152)
131° to *180°	4-1/2 (114)

\*Door/Wall/Hardware/Jamb conditions permitting

### **Position of Arm and Pinion Flat**





### Notes:

- 1. Do not scale drawing.
- 2. Left hand door shown.
- 3. Dimensions given in inches (millimeters).
- 4. Hollow metal doors require channel or box type reinforcement when thru-bolt mount is specified.
- 5. Sex bolts required for wood or plastic faced fire door mounting.
- 6. Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66mm) unless otherwise noted.
- 7. Use regular length rod for reveals to 3" (76mm). Use long rod for reveals 2-3/4" (70mm) to 6-3/4" (171mm).



**J8000H Series Door Closer Top Jamb Hold Open Application With 8148 Drop Plate** J8100H, J8300H, and J8500H Sizes 1 thru 6

RIXSON ASSA ABLOY

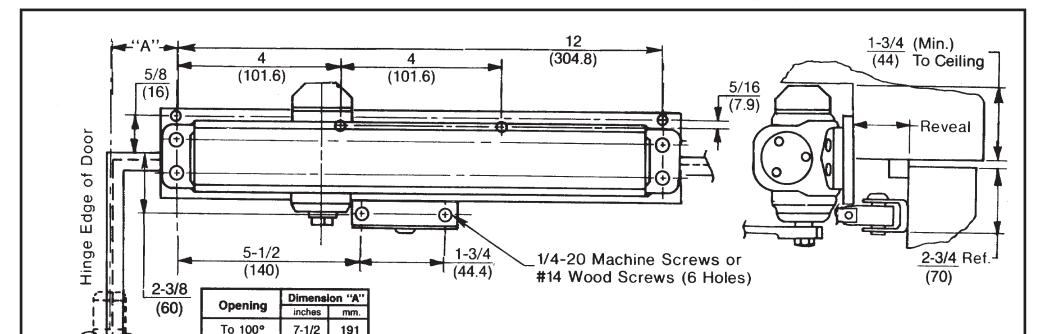
TEMPLATE NUMBER

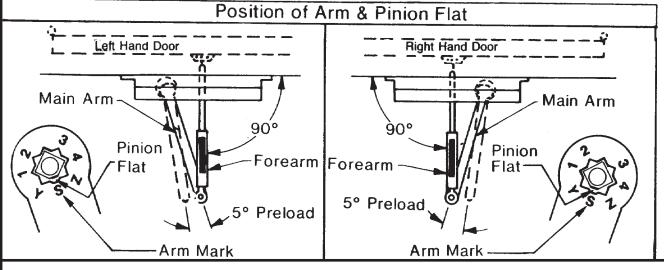
7380-0156 01/22 100° to 130°

Over 130°

6

4-1/2





152

114

- Do not scale drawing.
- · Left hand door shown.
- Dimensions are in inches (mm.).
- Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- Sex bolts required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66 mm.) unless otherwise noted.
- Use regular length rod for reveals to 3" (76 mm.). Use long rod for reveals 2-3/4" (70 mm.) to 6-3/4" (171 mm.).



# Hinge or Pivot

J8080 Series Door Closer Top Jamb Low Profile Application With 8146 Back Plate J8180, J8380, and J8580 Sizes 1 thru 6 RIXSON

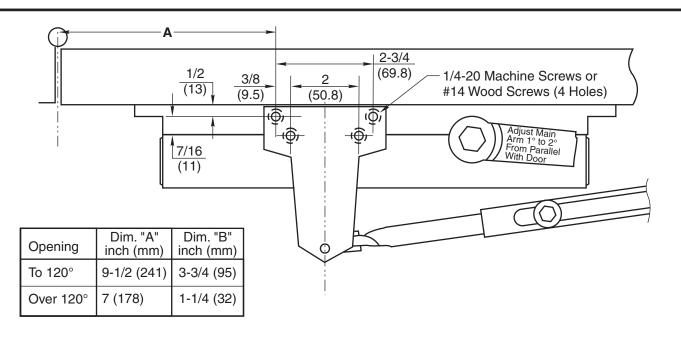
ASSA ABLOY

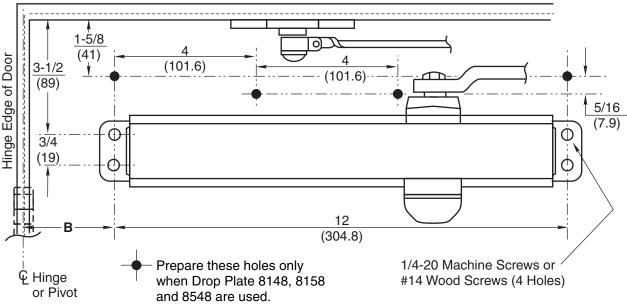
TEMPLATE NUMBER

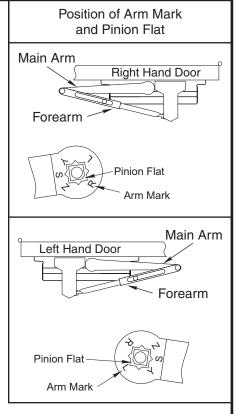
REV DATE **12** 

7380-0161

12/21







- Do not scale drawing.
- Left hand door shown.
- Dimensions are in inches (mm).
- Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- Sex bolt required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046 (2.66mm) unless otherwise noted.



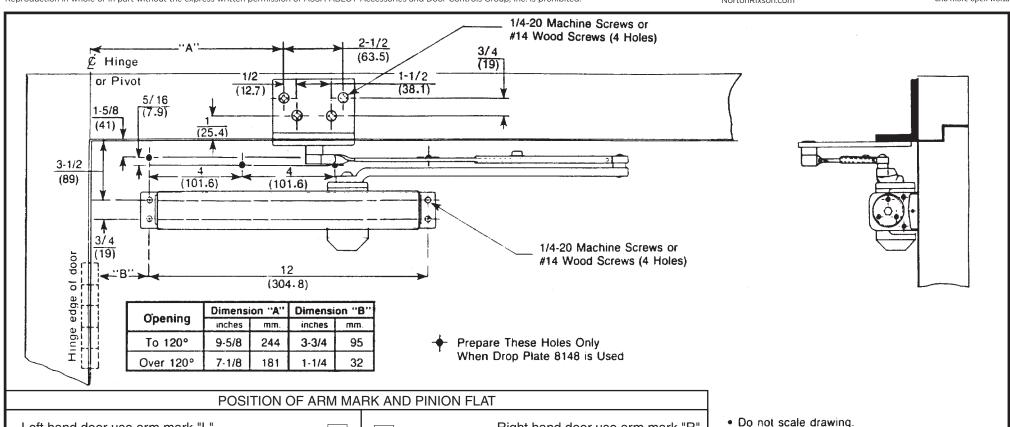
P8000 Series Door Closer
Parallel Arm Application With or Without 8148 Drop Plate
P8100, P8300, and P8500 Sizes 1 Thru 6

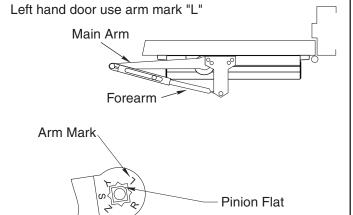
NORTON RIXSON

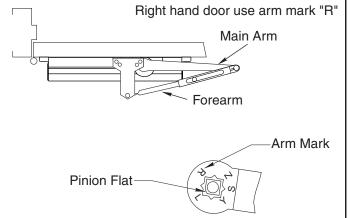
ASSA ABLOY

TEMPLATE NUMBER 7380-0201

REV DATE 12/21







- · Left hand door shown.
- Dimensions are in inches (mm.).
- Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- · Sex bolt required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66 mm.) unless otherwise noted.



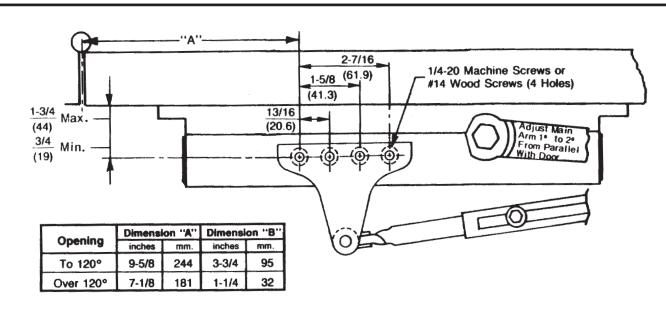
**P8000 Series Door Closers Parallel Arm Application With 2022 Bracket** With or Without 8148 Drop Plate P8100, P8300, and P8500 - Sizes 1 - 6

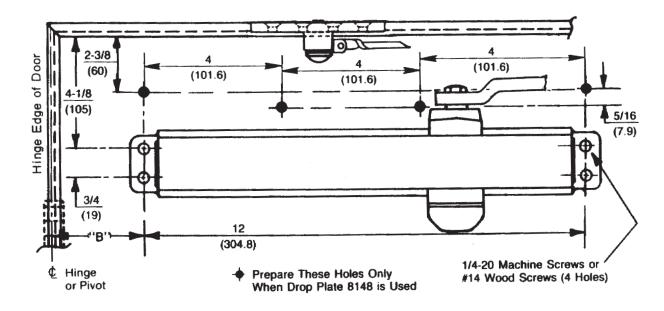
NORTON RIXSON

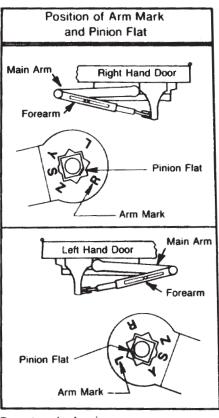
ASSA ABLOY

TEMPLATE NUMBER

7380-0203 12/21







- · Do not scale drawing.
- · Left hand door shown.
- · Dimensions are in
- Hotlow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- · Sex bolt required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66 mm.) unless otherwise noted.



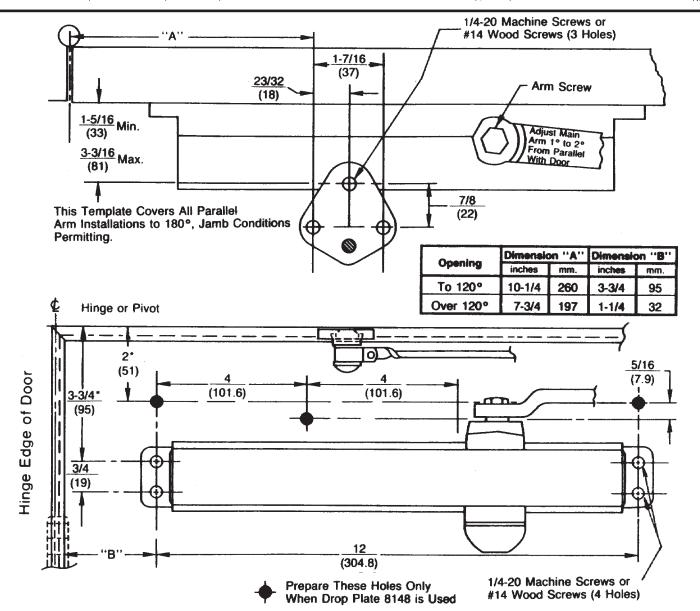
**P8000 Series Door Closer** Parallel Arm With 2018B For Rabbet Application With or Without 8148 Drop Plate P8100, P8300, and P8500 Sizes 1 Thru 6

NORTON RIXSON

**ASSA ABLOY** 

TEMPLATE NUMBER

7380-0204 12/21



# Position of Arm Mark and Pinion Flat Main Arm Right Hand Door Forearm Pinion Flat Arm Mark Left Hand Door Main Arm Forearm

- · Do not scale drawing.
- · Left hand door shown.

Arm Mark

- Dimensions are in inches (mm.)
- Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- Sex bolt required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66 mm.) unless otherwise noted.



\*This dimension must be measured from the same surface that the soffit bracket is mounted to.

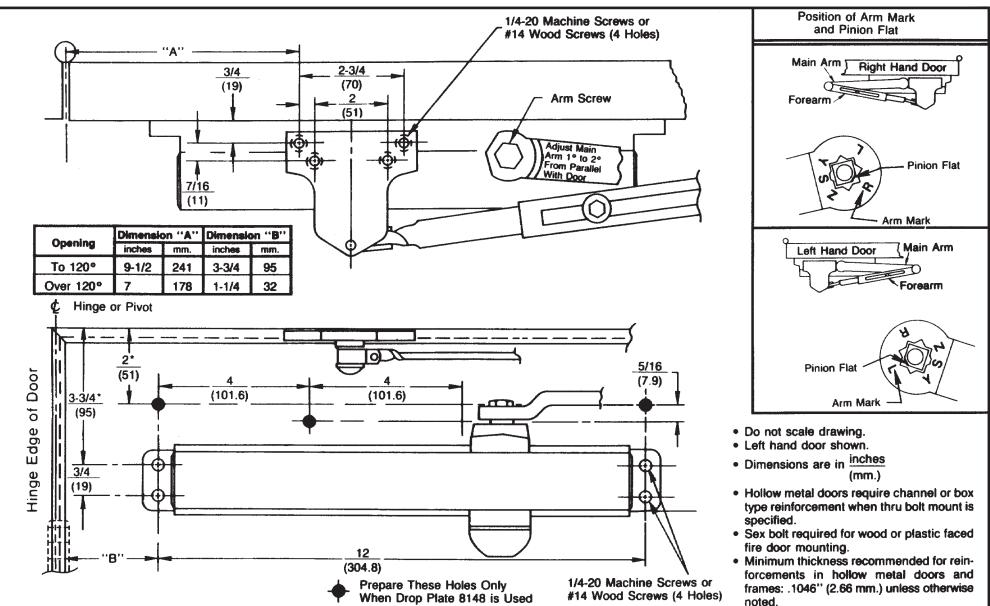
P8000 Series Door Closer
Parallel Arm Application With 2018 For Between Doors
With or Without 8148 Drop Plate
P8100, P8300, and P8500 Sizes 1 Thru 6

NORTON

ASSA ABLOY

TEMPLATE NUMBER

REV DATE 12/21



TRADEMARK HARDWARE

\*This dimension must be measured from the same surface that the soffit bracket is mounted to.

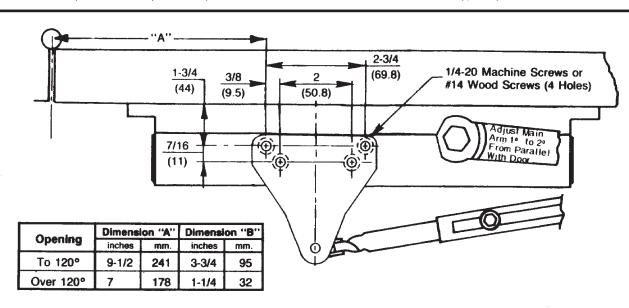
P8000 Series Door Closer
Parallel Arm With 2018D For Narrow or Blade Stop Application
With or Without 8148 Drop Plate
P8100, P8300, and P8500 Sizes 1 Thru 6

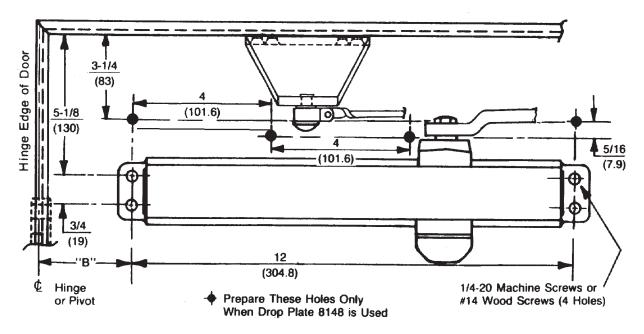
RIXSON

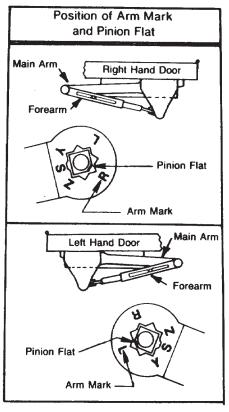
ASSA ABLOY

TEMPLATE NUMBER

TEV DATE 12/21







- . Do not scale drawing.
- · Left hand door shown.
- Dimensions are in inches (mm.).
- Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- Sex bolt required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66 mm.) unless otherwise noted.



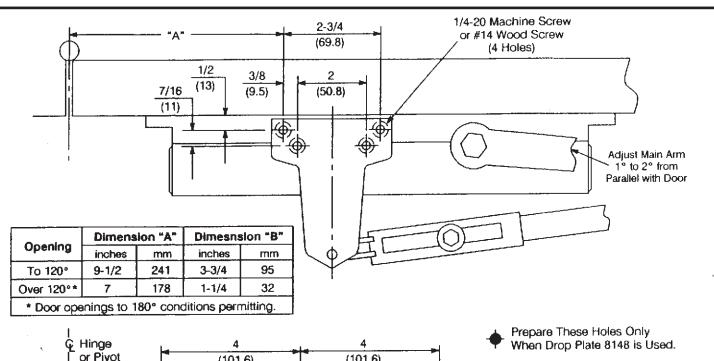
P8000 Series Door Closer
Parallel Arm With 2018S Bracket Application
With or Without 8148 Drop Plate
P8100, P8300, and P8500 Sizes 1 Thru 6

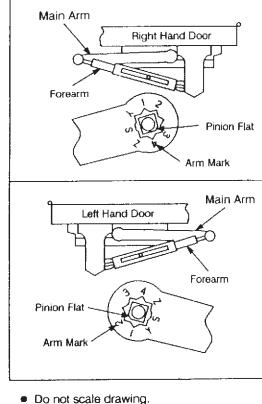
RIXSON

ASSA ABLOY

TEMPLATE NUMBER

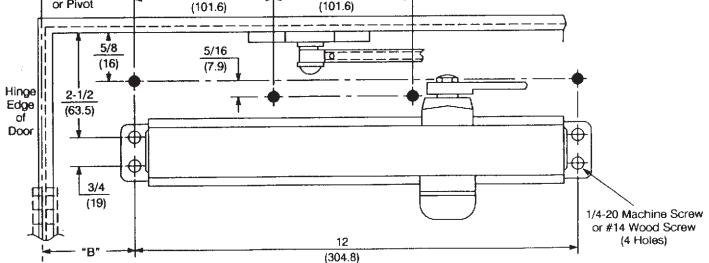
7 DATE 12/21





Position of Arm Mark and Pinion Flat

- Left hand door shown.
- Dimensions are in inches (mm).
- Hollow metal doors require channel or box. type reinforcement when thru bolt mount is specified.
- Sex bolt required for wood or plastic faced. fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66mm) unless otherwise noted.





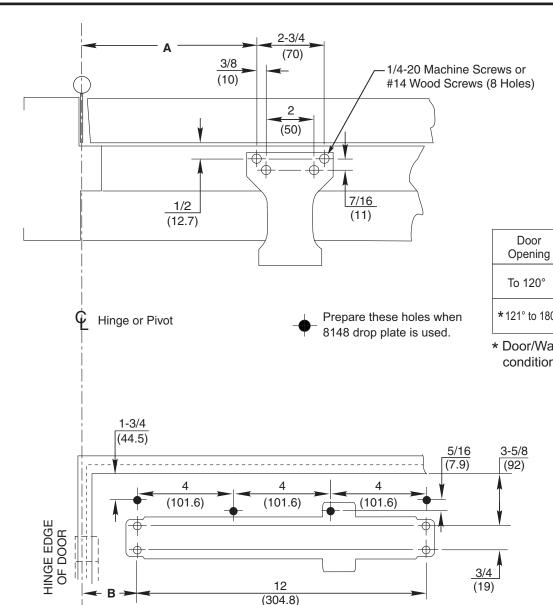
P8000 Series Door Closer for Narrow Stile Door With or Without 8148 Drop Plate Parallel Non-Hold Open Low Profile Arm Application P8180, P8380, and P8580 Sizes 1 Thru 6

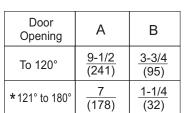
RIXSON

**ASSA ABLOY** 

TEMPLATE NUMBER

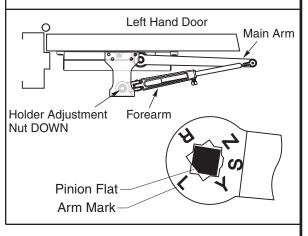
7380-0209 12/21





\* Door/Wall/Hardware/Jamb conditions permitting

### **Position of Arm and Pinion Flat** Right Hand Door Main Arm Forearm Holder Adjustment **Nut DOWN** Pinion Flat Arm Mark



### Notes:

- 1. Do not scale drawing
- 2. Left hand door shown.
- 3. Dimensions given in inches (millimeters).
- 4. Hollow metal doors require channel or box type reinforcement when thru-bolt mount is specified.
- 5. Sex bolts required for wood or plastic faced fire door mounting.
- 6. Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66mm) unless otherwise noted.

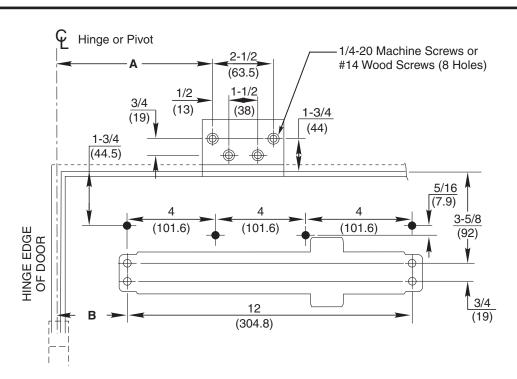


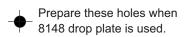
**P8000H Series Door Closers Parallel Hold Open** With or Without 8148 Drop Plate P8100H, P8300H, and P8500H Sizes 1 thru 6 Approved 2022-02-26

NORTON RIXSON ASSA ABLOY

TEMPLATE NUMBER 7380-0211

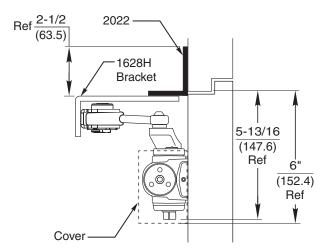
3 01/22





Door Opening	Α	В
To 120°	9-1/2 (241)	3-3/4 (95)
*121° to 180°	<del>7</del> (178)	<u>1-1/4</u> (32)

\* Door/Wall/Hardware/Jamb conditions permitting



# Position of Arm and Pinion Flat Right Hand Door Forearm Holder Adjustment Nut DOWN Pinion Flat Arm Mark Left Hand Door Main Arm Holder Adjustment Nut DOWN

### Notes:

- 1. Do not scale drawing.
- 2. Left hand door shown.
- 3. Dimensions given in inches (millimeters).
- 4. Hollow metal doors require channel or box type reinforcement when thru-bolt mount is specified.

Pinion Flat

Arm Mark

- 5. Sex bolts required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66mm) unless otherwise noted.



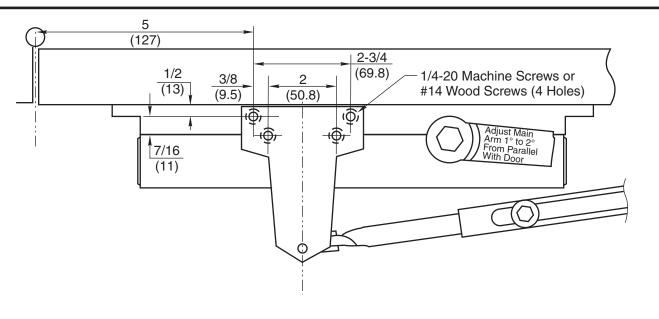
P8000H Series Door Closers
Parallel Hold Open
With 2022 x 1628H Bracket and With or Without 8148 Drop Plate
P8100H, P8300H, and P8500H

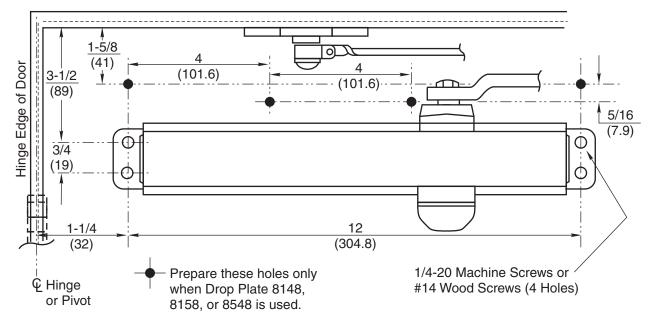
ASSA ABLOY

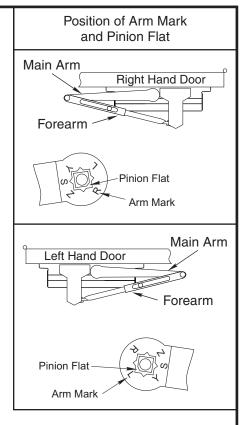
TEMPLATE NUMBER

REV DATE 01/22

7380-0212 3







- Do not scale drawing.
- · Left hand door shown.
- Dimensions are in inches (mm).
- Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- Sex bolt may be required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046 (2.66mm) unless otherwise noted.



P8100, P8300 or P8500 Series Door Closers x 7701-6A Arm Assembly For 180° Door Swing Using Wide Throw Hinges - 8" (200mm) Max.

With or Without 8148, 8158 or 8548 Drop Plate

Non Hold Open Parallel Arm Application

Door Closer Sizes 1 thru 6

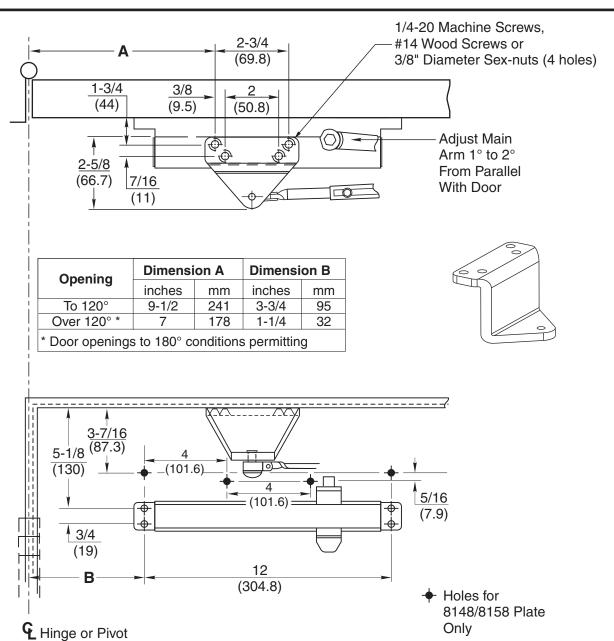
Approved 2022-02-26



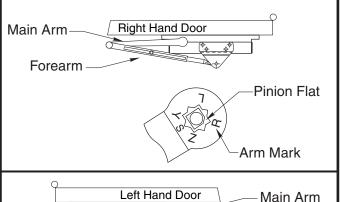
ASSA ABLOY

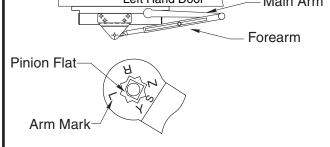
TEMPLATE NUMBER
7380-0214

TEV DATE 12/21



### **Position of Arm Mark and Pinion Flat**





### Notes:

- Do not scale drawing.
- · Left hand door shown.
- Dimensions are in inches (mm).
- Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.
- Sex-bolts may be required for wood or plastic faced fire-door mounting.
- Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm) unless otherwise noted.



P8000 Series Door Closer With SP2018S Special Bracket
And With Or Without 8148/8158 Drop Plate
Parallel Non Hold Open Arm With Offset Plate Application
Series P8100, P8300, And P8500
Door Closer Size 1 (Multi-size 1 Thru 6) Or Individually Sized 2, 3, 4, 5 Or 6

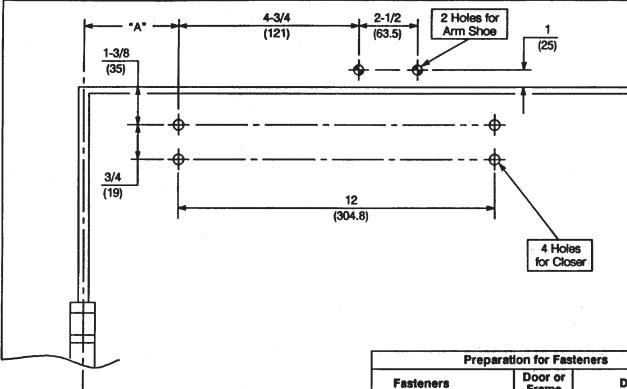
NORTON

ASSA ABLOY

TEMPLATE NUMBER **7380-0215** 

3 12/21

Door Opening	Dlm. "A"	
To 100°	7-1/2 (191)	
101° to 130°	6 (152)	
Over 130°	4-1/2 (114)	



Caution: Door swing may be limited by door, frame, wall or hardware conditions (including closer projection).

### Notes:

- 1. Do not scale drawing.
- 2. Right hand door shown.
- 3. Dimensions are in inches (mm).
- 4. Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- 5. Sex bolts required for wood or plastic faced fire door mounting.
- 6. Minimum thickness recommended for reinforcements in hollow metal doors and frames: .1046" (2.66mm) unless otherwise noted.

	Preparation for Fasteners				
	Fasteners	Door or Frame	Drill Sizes		
Standard	#14 type "A" S.M. screw Arm: 1-1/4" (32mm) Closer: 2-3/4" (70mm)	Wood	7/32" (5.5mm)		
Ste	1/4-20 machine Metal		driii: #7 (.201") tap: 1/4-20		
les	Sex nuts and bolts	Hollow Metal	9/32" (7.00mm) thru; 3/8" (9.50mm) on door opposite to closer		
Optional		Aluminum. or Wood	3/8" (9.50mm) thru		
o	Thru boits and grommet nuts	All	9/32" (7.00mm) thru; 3/8" (9.50mm) dia. x 3/8" (10mm) deep on door opposite to closer		



R8000 Series Door Closer (R8100, R8300, R8500)
Regular Rigid Heavy Duty Arm Non-Hold Open Installation
Sizes 1 Thru 6

**©** Hinge or Pivot

RIXSON

ASSA ABLOY

TEMPLATE NUMBER
7380-0601

TEV DATE 12/21

3/8

1-3/8

7/16

5/16

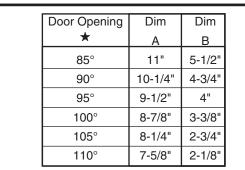
2-1/16

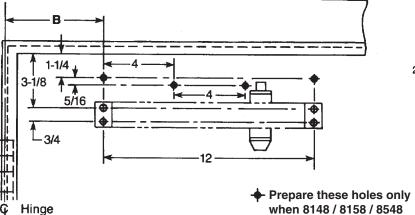
or

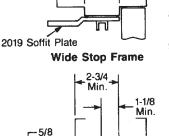
**Pivot** 

TRADEMARK

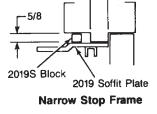
HARDWARE







Min.



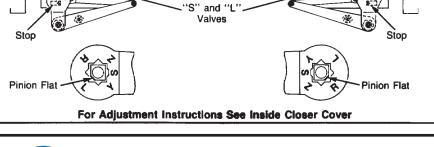
★Template dimensions are for hold open/door stop within 2° of charted door openings. Doors may overtravel up to 5° beyond the rest position.

### NOTES:

- 1. Do not scale drawing.
- 2. Left hand door shown.
- 3. Dimensions are in inches.
- 4. Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.
- 5. Sex-bolts required for wood or plastic faced fire-door mounting.
- 6. Minimum thickness recommended for reinforcements in hollowmetal doors and frames: .0146" (2.66mm).
- 7. Follow Conversion Chart for metric dimensions.
- 8. Hold Open function "T" Suffix, is not permitted in a fire-door
- 9. Maximum width hinges for this template are 5" (127mm)

inches	mm.	inches	mm.	inches	mm.
5/16	8	2-1/16	52.5	5-5/8	143
3/8	9.5	2-1/4	57	7-7/8	200
7/16	11	2-3/4	70	8-3/8	212.5
5/8	16	2-7/8	73	9	228.5
3/4	19	3-1/8	79.5	9-5/8	244.5
1-1/8	28.5	3-1/2	89	10-3/8	263.5
1-1/4	31.5	4	101.5	11-1/8	282.5
1-3/8	35	4-1/8	104.5	12	305
2	51	4-7/8	124		

Fastener	Frame	Door	Drill
1/4-20 machine screw	metal	none	#7 (.201" dia.) or 5.10mm. dril 1/4-20 tap
#14 type "A" sheet metal screw	wood	none	3/16" (4.30mm.)
SNB (optional)	none	hollow metal	9/32" (7.00mm.) thru 3/8"(9.50mm.) door face opposite to closer
		aluminum or wood	3/8" (9.50mm.) thru



**Top View Typical Installation** 

Left Hand Door Right Hand Door

CLP-8300, CLP-8500 Series with CloserPlus Arm or **CPS-8300 or CPS-8500 Series with CloserPlus Spring™ Arm** Parallel Arm Standard Application With or Without 8148 / 8158 / 8548 Drop Plate Arm Function; Stop Only or Stop & Hold Open ("T" or "R" Suffix) Power Sizes 1, 2, 3, 4, 5 or 6

ASSA ABLOY

RIXSON

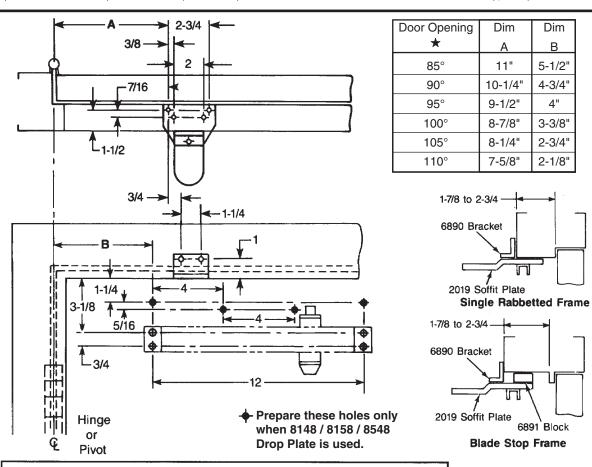
TEMPLATE NUMBER 7380-1301

12/21

5.10mm. drill.

Approved 2022-02-26

Drop Plate is used.



★Template dimensions are for hold open/door stop within ±2° of charted door openings. Doors may overtravel up to 5° beyond the rest position.

### **NOTES:**

- 1. Do not scale drawing.
- 2. Left hand door shown.
- 3. Dimensions are in inches.
- 4. Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.
- 5. Sex-bolts required for wood or plastic faced fire-door mounting.
- Minimum thickness recommended for reinforcements in hollowmetal doors and frames: .0146" (2.66mm).
- 7. Follow Conversion Chart for metric dimensions.
- 8. Hold Open function "T" Suffix, is not permitted in a fire-door assembly.
- 9. Maximum width hinges for this template are 5" (127mm)

inches	mm.	inches	mm.	inches	mm.
5/16	8	2-1/4	57	7-7/8	200
3/8	9.5	2-3/4	70	8-3/8	212.5
7/16	11	2-7/8	73	9	228.5
3/4	19	3-1/8	79.5	9-5/8	244.5
1	25.4	3-1/2	89	10-3/8	263.5
1-1/4	31.5	4	101.5	11-1/8	282.5
1-1/2	38	4-1/8	104.5	12	305
1-7/8	47.5	4-7/8	124		
2	51	5-5/8	143		

Top View Typical II	nstallation
Left Hand Door Right H	land Door
"S" and "L"- Valves	Stop
Pinion Flat	Pinion Flat
For Adjustment Instructions See	Inside Closer Cover

Fastener	Frame	Door	Drill
1/4-20 machine screw	metal	none	#7 (.201" dia.) or 5.10mm. drill. 1/4-20 tap
#14 type "A" sheet metal screw	wood	none	3/16" (4.30mm.)
SNB (optional)	none	hollow metal	9/32" (7.00mm.) thru 3/8" (9.50mm.) door face opposite to closer
		aluminum or wood	3/8" (9.50mm.) thru



CLP-8300, CLP-8500 Series with CloserPlus Arm or
CPS-8300 or CPS-8500 Series with CloserPlus Spring™ Arm
Parallel Arm with 6890 Reinforcing Bracket With or Without 8148 / 8158 / 8458 Drop Plate
Arm Function; Stop Only or Stop & Hold Open ("T" or "R" Suffix)
Power Sizes 1, 2, 3, 4, 5 or 6

RIXSON

ASSA ABLOY

TEMPLATE NUMBER **7380-1302** 

12/21

2-1/2

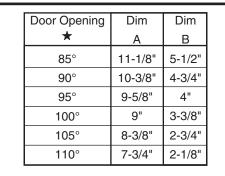
1/2 -

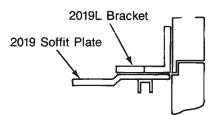
5/16

-3/4

Hinge

**Pivot** 





ı						
	inches	mm.	inches	mm.	inches	mm.
•	5/16	8	2-7/8	73	8-1/2	216
	1/2	12.5	3-1/8	79.5	9-1/8	232
	3/4	19	3-1/2	89	9-3/4	247.5
	1-1/4	31.5	4	101.5	10-1/2	266
	1-1/2	38	4-1/8	104.5	11-1/4	286
	1-3/4	44.5	4-7/8	124	12	305
	2-1/4	57	5-5/8	143		
	2-1/2	63.5	8	203		

★ Template dimensions are for hold open/door stop within ±2° of charted door openings. Doors may overtravel up to 5° beyond the rest position.

### **Notes:**

Do not scale drawing.

Left hand door shown.

Dimensions are in inches.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Sex-bolts required for wood or plastic faced fire-door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm.).

Follow Conversion Chart for metric dimensions.

Hold Open function, "T" suffix, is not permitted in a fire-door assembly.

Maximum width hinges for this template are 5" (127mm)

Top View Typical Installation	
Left Hand Door   Right Hand Door	7
(2, 0)	
"S" and "L" Valves	
Stop	
Pinion Flat	
For Adjustment Instructions See Inside Closer Cover	

Holes for

Only

8148 / 8158 / 8548 Plate

Fastener	Frame	Door	Drill
1/4-20 machine screw	metal	none	#7 (.201" dia.) or 5.10mm. drill. 1/4-20 tap
#14 type "A" sheet metal screw	wood	none	3/16" (4.30mm.)
SNB (optional)	none	hollow metal	9/32" (7.00mm.) thru 3/8"(9.50mm.) door face opposite to closer
		aluminum or wood	3/8" (9.50mm.) thru



CLP-8300, CLP-8500 Series Door Closer with CloserPlus Arm or CPS-8300, CPS-8500 Series Door Closer with CloserPlus Spring™ Arm Parallel Arm x 2019L Bracket, with or without 8148 / 8158 / 8458 Drop Plate Arm Function: Stop Only or Stop & Hold Open ("T" or "R" Suffix)

Power Sizes 1, 2, 3, 4, 5, or 6

ASSA ABLOY

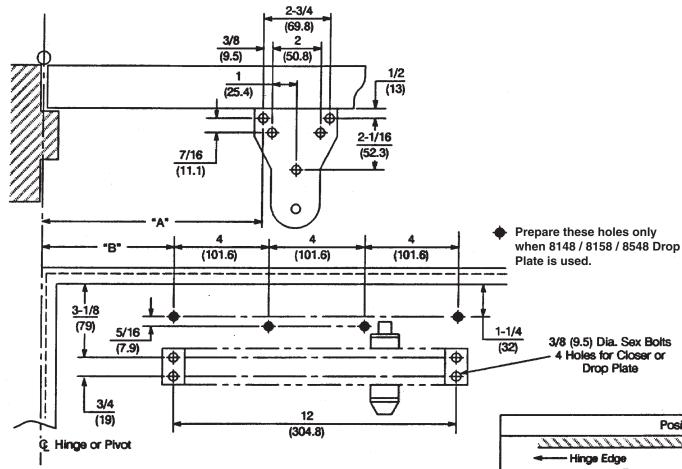
NORTON RIXSON

TEMPLATE NUMBER **7380-1303** 

REV DATE **12/21** 

Approved 2022-02-26

<u>--3/4</u>



Opening	Dim. "A"	Dim. "B"
To 120°	9-1/2 (241)	3-3/4 (95)
Over 120°*	7 (178)	1-1/4 (32)

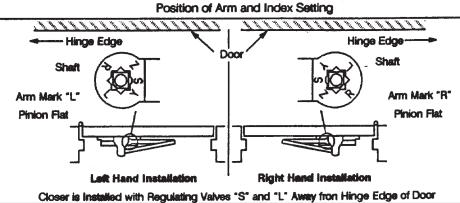
\* Door openings to 180° conditions permitting.

Close	Closer Size "1" Power Setting				
Max. Do	or Width	**Power			
interior	Exterior	Adjustment Required			
3' 0"	-	3 turns			
3' 6"	3′ 0″	4 turns			
4' 6"	3' 6"	7 turns			
5′ 0″	4' 0"	9 turns			
Maxir	num	13 turns			

\*\*Units are supplied for adjustments as charted.

### **NOTES:**

- 1. Do not scale drawing.
- 2. Left hand door shown.
- 3. Dimensions are in inches.
- 4. Hollow-metal doors require channel or boxtype reinforcement when thru-bolt mount is specified.
- 5. Sex-bolts required for wood or plastic faced fire-door mounting.
- 6. Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .0146" (2.66mm) unless otherwise noted.
- 7. Hold Open function "T" Suffix, is not permitted in a fire-door assembly.
- 8. Maximum width hinges for this template are 5" (127mm)



3/8 (9.5) Dia. Sex Bolts

Holes for Closer or **Drop Plate** 



PR8000 Series Non Hold Open or **PR8000H Series Hold Open** 

Parallel Arm Application With or Without 8148 / 8158 / 8548 Drop Plate **Closer Series PR8100, PR8300 & PR8500** 

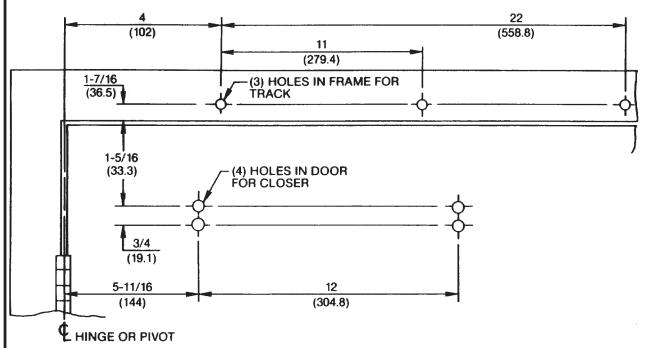
Power Sizes 1, 2, 3, 4, 5, or 6

TEMPLATE NUMBER 7380-0251 12/21

RIXSON

ASSA ABLOY

## IMPORTANT: From centerline of pivot point to end of track is 26½" (673 mm)



- Right hand door shown.
- Do not scale drawing.
- Dimensions are given in inches (mm.)
- Minimum ceiling clearance for unit is 2" (50mm.).
- Maximum door opening:
   Non Hold Open with Spring Buffer 110°
   Non Hold Open without Spring Buffer 180°
   Hold Open 110°

Preparation for Fasteners		
Fasteners	Door or Frame	Drill-Sizes
#14 type "A" S.M. screw	Wood	3/16" (4.30mm.)
¼"-20 machine- screw	Metal	drill: #7 (.201") tap: ¼"-20
Sex-nuts and bolts (Optional)	Hollow- Metal	9/32" (7.00mm.) through; 3/8" (9.50mm.) door-face opposite to closer
	Aluminum or Wood	3/8" (9.50mm.) through
Through-bolt and grommet-nuts (Optional)	All	9/32" (7.00mm.) through; 3/8" (9.50mm.) dia. x 3/8" (10mm.) deep door- face opposite to closer



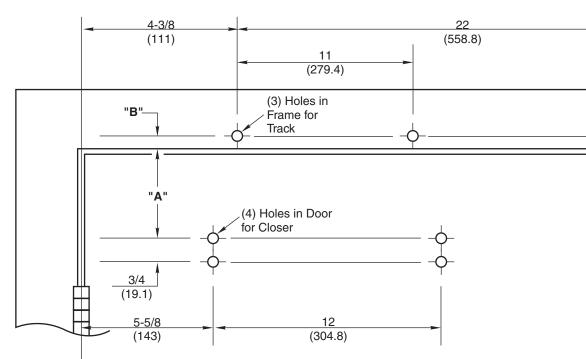
8300ST/8500ST Series Non Hold Open Door Closers 8300ST-H/8500ST-H Series Hold Open Door Closers Hinge Side Slide Track Application RIXSON

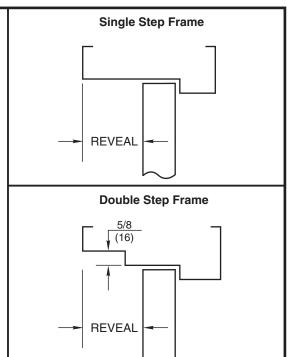
ASSA ABLOY

TEMPLATE NUMBER 7380-0501

REV DATE 12/21

### IMPORTANT: From centerline of pivot point to end of track is 26-7/8 (683mm)





### Notes:

- Right hand door shown.
- · Do not scale drawing.
- All dimensions shown in inches (mm) .
- Minimum ceiling clearance for unit is 2" (50mm.).
- Maximum door opening 105° for:
  - Non Hold Open with Spring Buffer
  - Non Hold Open without Spring Buffer
  - Hold Open

Preparation for Fasteners				
Fasteners	Door or Frame	Drill Sizes		
#14 Type "A" S.M. Screw	Wood	3/16" (4.30mm.)		
1/4" -20 Machine Screw	Metal	drill: #7 (.201") tap: 1/4"-20		
Sex Nuts And Bolts	Hollow Metal	9/32" (7.00mm) through 3/8" (9.50mm) door face opposite to closer		
(optional)	Aluminum Or Wood	3/8" (9.50mm) through		
Through Bolts And Grommet Nuts (optional)	All	9/32" (7.00mm) through 3/8" (9.50mm) dia. x 3/8" (10mm) deep door face opposite to closer		



Frame Type

Single

Step

Double

Step

F Hinge or Pivot

Dim. "A"

(51)

1-7/8

(48)

Dim. "B"

1-7/16

(36.5)

1-5/8

(41.3)

8300ST-DE / 8500ST-DE Series Non Hold Open Door Closers 8300ST-DE-H / 8500ST-DE-H Series Hold Open Door Closers Hinge Side Slide Track Application For Double Egress Frame Hinge Side Frame Reveals 1/8" to 3" (3 to 76mm) RIXSON

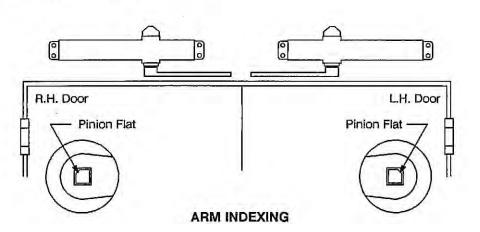
ASSA ABLOY

TEMPLATE NUMBER 7380-0511

REV DATE 12/21

### Notes:

- Do not scale drawing.
- Right hand door shown. Same dimensions apply for left hand door, measured from centerline of hinge or pivot.
- Template information based upon use of 4-1/2" hinges or 3/4" offset pivots.
- Dimensions are shown in inches and millimeters (mm.).
- Hollow metal doors require channel or box-type reinforcement when thru-bolt mount is specified.
- Sex-nuts are required for wood or plastic faced fire-door installations.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames is .1046 (2.66) unless noted otherwise.
- Minimum ceiling clearance for closer unit is 4–1/16" (103).
- Maximum frame reveal is 1/8" (3).
- Maximum door swing:
- Non Hold Open 110° (With spring buffer in track).
- Non Hold Open 180° (Without spring buffer in track).
- Hold Open 110°.



1-1/4 4 (32) (101.6)	4 4 (101.6)	(38)	1-3/16 (30)		
	<u> </u>				}
ф-	:	1	↑ -		ф (
4 (101.6)	11 (279.4)	22		<u>)                                    </u>	
		(558.	8)		

Fastener	Opening	Drill Sizes	
1/4"-20 Machine Screw	Metal Door or Frame	#7 [.201" (5.10mm.) dia.] drill 1/4"-20 UNC Tap	
Sex nuts and bolts	Wasai	3/8" (9.50mm.) through; 9/16" (15.00mm.) diameter x 1/8" (3mm.) deep on face opposite to closer	
Through bolts and grommet nuts	Wood or Composite Door	From face opposite to closer 9/32" (7.00mm.) through; 3/8" (9.50mm.) diameter x 1/2" (13mm.) deep; 5/8" (16.00mm.) diameter x 1/8" (3mm.) deep	



J8000ST or J8000STH Series Door Closers with 8146 Back Plate Hinge (Pull) Side Slide Track Application Non-Hold Open or Hold Open Function Series 8300 or 8500, Sizes 1, 4, 5, or 6 RIXSON

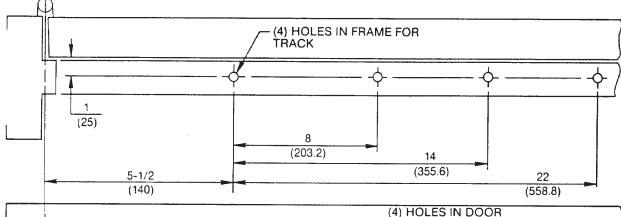
ASSA ABLOY

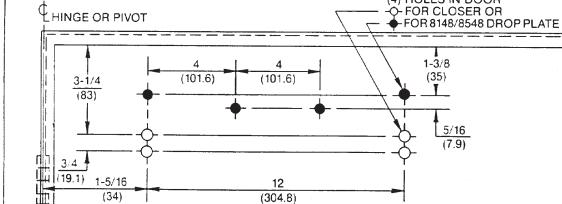
TEMPLATE NUMBER

REV DATE 12/21

7380-0515 3

### IMPORTANT: From centerline of pivot point to end of track is 28" (711 mm)





- Left hand door shown.
- Do not scale drawing.
- Dimensions are given in inches (mm.)
- Maximum door opening:
  - Non Hold Open with buffer assembly in track - 100°
  - Non Hold Open without buffer assembly in track - 125°.
     Auxilliary stop required.
  - Hold Open 100°

Preparation for Fasteners		
Fasteners	Door or Frame	Drill-Sizes
#14 type "A" S.M. screw	Wood	3/16" (4.30mm.)
¼"-20 machine- screw	Metal	drill: #7 (.201") tap: '4"-20
Sex-nuts and bolts (Optional)	Hollow- Metal	9/32" (7.00mm.) through; 3/8" (9.50mm.) door-face opposite to closer
	Aluminum or Wood	3/8" (9.50mm.) through
Through-bolt and grommet-nuts (Optional)	Ali	9/32" (7.00mm.) through; 3/8" (9.50mm.) dia. x 3/8" (10mm.) deep door- face opposite to closer

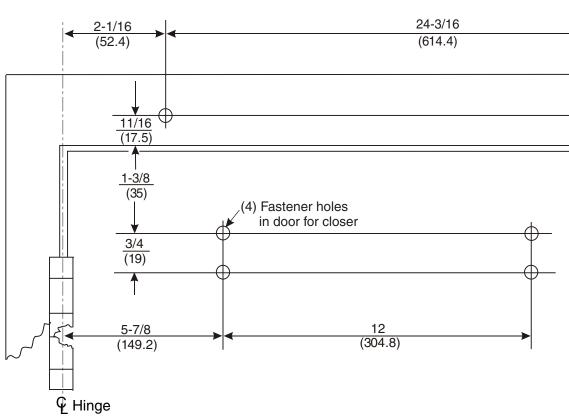


PS8300ST / PS8500ST Series Non Hold Open Door Closers PS8300ST-H / PS8500ST-H Series Hold Open Door Closers Opposite to Hinge Side Slide Track Application With or Without Drop Plate RIXSON

ASSA ABLOY

TEMPLATE NUMBER

REV DATE 12/21



#### Preparation for Fasteners Door or Frame Drill Sizes Fasteners # 14 type "A" SM. screw Wood 7/32" (5.56mm) Closer: 1-1/4" (32mm) Track: 2-3/4" (70mm) 1/4" -20 machine Metal drill: #7 (.201") tap: 1/4" -20 Sex-nuts and bolts Hollow Metal 9/32" (7.00mm) through 3/8" (9.50mm) door-face opposite to closer Aluminum or 3/8" (9.50mm) through Wood Through-bolts and 9/32" (7.00mm) through; grommet-nuts ΑII 3/8" (9.50mm) dia. x (Optional) 3/8" (10mm) deep doorface opposite to closer

(2) Fastener holes in frame for track

### Notes:

- Right hand door is shown.
- Do not scale drawing.
- .1046 (2.7mm) minimum thickness recommended for hollow metal door and frame reinforcement.
- From centerline of hinge to end of track 26-3/4" (679.5mm).
- Minimum ceiling clearance for track is 1-1/2" (38.1mm).
- Dimensions are given in inches (mm).

- Maximum door opening: 110° recommended with cushion stop in track.
   180° without cushion stop.
- Use of auxiliary door stop may be required to prevent damage to door, frame, or hinges.

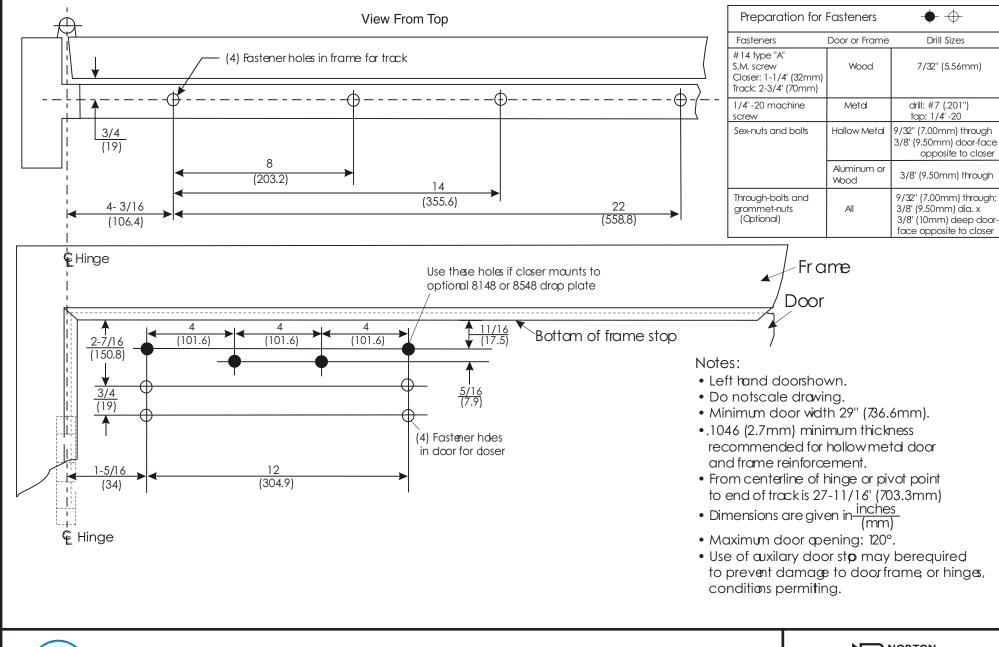
TRADEMARK HARDWARE

8340ST, 8540ST Series Non Hold Open Door Closer 8340STH, 8540STH Series Hold Open Door Closer Pull (Hinge) Side Slide Track Application Closer Sizes 1, 4, 5, or 6 NORTON RIXSON ASSA ABLOY

TEMPLATE NUMBER

REV DATE 12/21

7380-1501





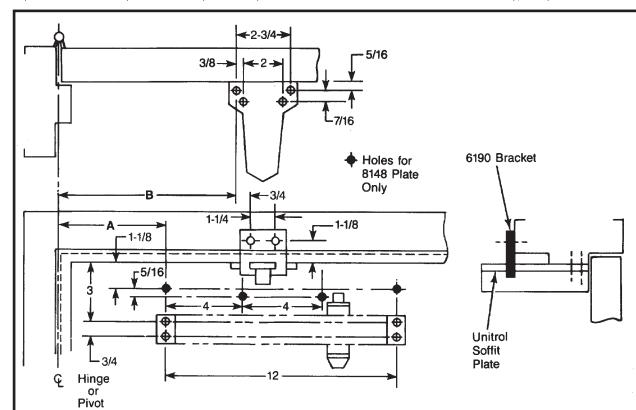
PS8340ST, PS8540ST Series Non Hold Open Door Closer PS8340STH, PS8540STH Series Hold Open Door Closer Push (Stop) Side Slide Track Application Closer Sizes 1, 4, 5, or 6 RIXSON

ASSA ABLOY

TEMPLATE NUMBER

3 12/21

7380-1520



Preparation for Fasteners							
Fasteners Application Door or Frame Drill Sizes							
Sex nuts and bolts	Closer Drop Plate	Hollow Metal	9/32" (7.00mm) through 3/8" (9.50mm) door face opposite to closer				
		Alluminum or Wood	3/8" (9.50mm) through				
#14 x 1-1/4" (32mm) type "A" S.M. screws	Soffit plate 6190 Bracket	Wood	3/16" (4.30mm)				
1/4-20 machine screw		Metal	drill: #7 (.201") tap: 1/4-20				
Through bolts and grommet nuts	Optional	All	9/32" (7.00mm) through 3/8" (9.50mm) dia. x 3/8" (10mm) deep, door face opposite to closer				

	pening gle	Dimensions			
Hold Open	Dead Stop	Butts and Offset Pivots A B		Center	Pivots
*				Α	В
85°	90°	5-1/8	10-3/8	5-3/4	11
90°	95°	4-1/2	9-3/4	5-1/8	10-3/8
95°	100°	4	9-1/4	4-5/8	9-7/8
100°	105°	3-5/8	8-7/8	4-1/4	9-1/2
105°	110°	3-1/4	8-1/2	3-7/8	9-1/8
110°	115°	2-7/8	8-1/8	3-5/8	8-7/8

### Notes:

Do not scale drawing.

Left hand door shown.

Dimensions are in inches.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Sex-bolts required for wood or plastic faced fire-door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).

Follow Conversion Chart for metric dimensions.

TRADE HARD	

inches	mm.	inches	mm.	inches	mm.
5/16	8	3-1/4	82.5	8-1/2	216
3/8	9.5	3-5/8	92	8-7/8	225.5
7/16	11	3-7/8	98.5	9-1/8	232
3/4	19	4	101.5	9-1/4	235
1-1/8	28.5	4-1/4	108	9-1/2	241.5
1-1/4	31.5	4-1/2	114	9-3/4	247.5
2	51	4-5/8	117.5	9-7/8	251
2-3/4	70	5-1/8	130	10-3/8	263.5
2-7/8	73	5-3/4	146	11	279.5
3	76	8-1/8	206	12	305

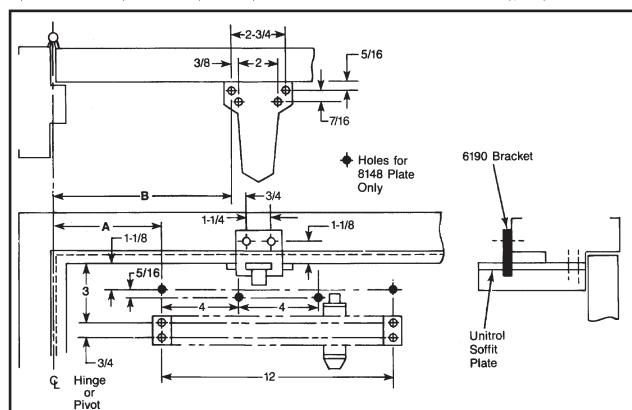
Unitrol® Standard Application Series UNI-8300, UNI-8301, UNI-8500, UNI-8501 Doors 28" - 32" (0.70-0.80m) Wide Parallel Arm Installation Template Stop Only or Hold Open Unitrol® Backcheck or Delayed Action Door Closer With or Without 8148 Drop Plate RIXSON

ASSA ABLOY

TEMPLATE NUMBER

TEV DATE 12/21

7380-1351



Preparation for Fasteners								
Fasteners	Fasteners Application Door or Frame Drill Sizes							
Sex nuts and bolts	Closer Drop Plate	Hollow Metal	9/32" (7.00mm) through 3/8" (9.50mm) door face opposite to closer					
		Alluminum or Wood	3/8" (9.50mm) through					
#14 x 1-1/4" (32mm) type "A" S.M. screws	Soffit plate 6190 Bracket	Wood	3/16" (4.30mm)					
1/4-20 machine screw	7	Metal	drill: #7 (.201") tap: 1/4-20					
Through bolts and grommet nuts	Optional	All	9/32" (7.00mm) through 3/8" (9.50mm) dia. x 3/8" (10mm) deep, door face opposite to closer					

	Door Opening Angle		Dimer	nsions	
Hold Open	Dead Stop	Butts and Offset Pivots A B		Center	Pivots
*				Α	В
85°	90°	7-1/2	12-3/4	8	13-1/4
90°	95°	6-3/4	12	7-3/8	12-5/8
95°	100°	6-1/4	11-1/2	6-3/4	12
100°	105°	5-3/4	11	6-1/4	11-1/2
105°	110°	5-1/4	10-1/2	5-7/8	11-1/8
110°	115°	4-7/8	10-1/8	5-1/2	10-3/4

# Notes:

Do not scale drawing.

Left hand door shown.

Dimensions are in inches.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Sex-bolts required for wood or plastic faced fire-door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).

Follow Conversion Chart for metric dimensions.

TRADEM HARDW	

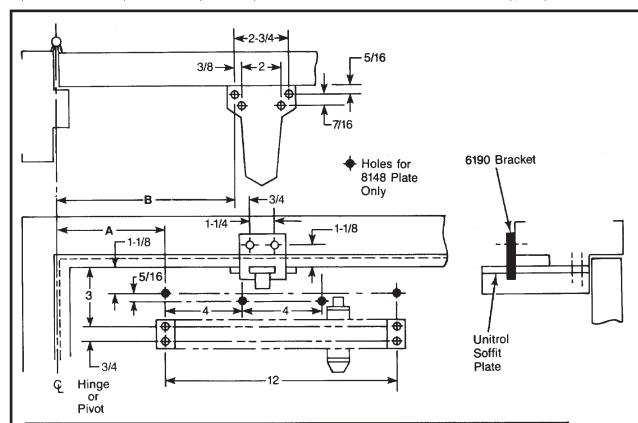
inches	mm.	inches	mm.	inches	mm.
5/16	8	5-1/4	133	10-3/4	273
3/8	9.5	5-1/2	139.5	11	279.5
7/16	11	5-3/4	146	11-1/8	282.5
3/4	19	5-7/8	149	11-1/2	292
1-1/8	28.5	6-1/4	158.5	12	305
1-1/4	31.5	6-3/4	171.5	12-5/8	320.5
2	51	7-3/8	187.5	12-3/4	324
2-3/4	70	7-1/2	190.5	13-1/4	336.5
3	76	8	203		
4	101.5	10-1/8	257		
4-7/8	124	10-1/2	266.5		

Unitrol® Standard Application Series UNI-8300, UNI-8301, UNI-8500, UNI-8501 Doors 33" - 41" (0.85-1.00m) Wide Parallel Arm Installation Template Stop Only or Hold Open Unitrol® Backcheck or Delayed Action Door Closer With or Without 8148 Drop Plate With or Without 6190 Bracket RIXSON

ASSA ABLOY

TEMPLATE NUMBER **7380-1352** 

TEV DATE 12/21



Preparation for Fasteners							
Fasteners Application Door or Frame Drill Sizes							
Sex nuts and bolts	Closer Drop Plate	Hollow Metal	9/32" (7.00mm) through 3/8" (9.50mm) door face opposite to closer				
		Alluminum or Wood	3/8" (9.50mm) through				
#14 x 1-1/4" (32mm) type "A" S.M. screws	Soffit plate 6190 Bracket	Wood	3/16" (4.30mm)				
1/4-20 machine screw		Metal	drill: #7 (.201") tap: 1/4-20				
Through bolts and grommet nuts	Optional	All	9/32" (7.00mm) through 3/8" (9.50mm) dia. x 3/8" (10mm) deep, door face opposite to closer				

Door O	pening gle	Dimensions			
Hold Open	Dead Stop	Butts and Offset Pivots		Center	Pivots
*		A B		Α	В
85°	90°	9-3/4	15-1/8	10-1/8	15-1/2
90°	95°	8-7/8	14-1/4	9-3/8	14-3/4
95°	100°	8-1/4	13-5/8	8-5/8	14
100°	105°	7-5/8	13	8-1/8	13-1/2
105°	110°	7-1/8	12-1/2	7-5/8	13
110°	115°	6-3/4	12-1/8	7-1/8	12-1/2

### Notes:

Do not scale drawing.

Left hand door shown.

Dimensions are in inches.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Sex-bolts required for wood or plastic faced fire-door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).

Follow Conversion Chart for metric dimensions.

TRADE	

inches	mm.	inches	mm.	inches	mm.
5/16	8	7-1/8	181	12-1/2	317.5
3/8	9.5	7-5/8	193.5	13	330
7/16	11	8-1/8	206	13-1/2	343
3/4	19	8-1/4	209.5	13-5/8	346
1-1/8	28.5	8-5/8	219	14	355.5
1-1/4	31.5	8-7/8	225.5	14-1/4	362
2	51	9-3/8	238	14-3/4	374.5
2-3/4	70	9-3/4	247.5	15-1/8	384
3	76	10-1/8	257	15-1/2	393.5
4	101.5	12	305		
6-3/4	171.5	12-1/8	308		

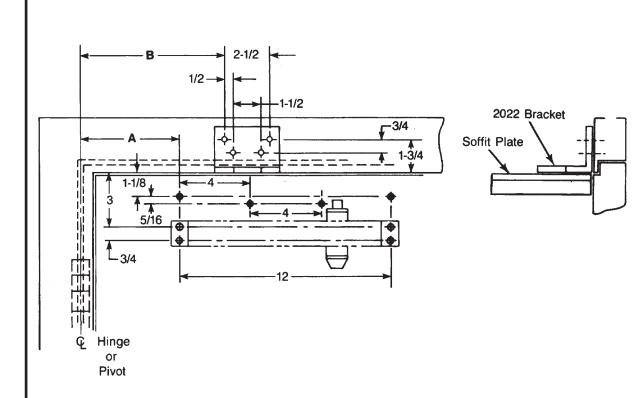
Unitrol® Standard Application Series UNI-8300, UNI-8301, UNI-8500, UNI-8501 Doors 42" - 48" (1.05-1.20m) Wide Parallel Arm Installation Template Stop Only or Hold Open Unitrol® Backcheck or Delayed Action Door Closer With or Without 8148 Drop Plate With or Without 6190 Bracket RIXSON

ASSA ABLOY

TEMPLATE NUMBER **7380-1353** 

TEV DATE 12/21

<del>\pbroved 2022-02-26</del>



Door Opening Angle		Dimensions					
Hold Open	Dead Stop	Butts and Offset Pivots		Cente	Pivots		
*	'	Α	В	Α	В		
85°	90°	5-1/8	10-1/2	5-3/4	11-1/8		
90°	95°	4-1/2	9-7/8	5-1/8	10-1/2		
95°	100°	4	9-3/8	4-5/8	10		
100°	105°	3-5/8	9	4-1/4	9-5/8		
105°	110°	3-1/4	8-5/8	3-7/8	9-1/4		
110°	115°	2-7/8	8-1/4	3-5/8	9		

# **Notes:**

Do not scale drawing.

Left hand door shown.

Dimensions are in inches.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Sex-bolts required for wood or plastic faced fire-door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).

Follow Conversion Chart for metric dimensions.

Preparation for Fasteners						
Fasteners	Application	Door or Frame	Drill Sizes			
Sex nuts and bolts	Closer Drop Plate 2022 Bracket	Hollow Metal	9/32" (7.00mm) through 3/8" (9.50mm) door face opposite to closer			
		Alluminum or Wood	3/8" (9.50mm) through			
Through bolts and grommet nuts	Optional	All	9/32" (7.00mm) through 3/8" (9.50mm) dia. x 3/8" (10mm) deep, door face opposite to closer			



inches	mm.	inches	mm.	inches	mm.
5/16	8	3-5/8	92	9	228.5
1/2	12.5	3-7/8	98.5	9-1/4	235
3/4	19	4	101.5	9-3/8	238
1-1/8	28.5	4-1/4	108	9-5/8	244.5
1-1/2	38	4-1/2	114	9-7/8	251
1-3/4	44.5	4-5/8	117.5	10	254
2-1/2	63.5	5-1/8	130	10-1/2	266.5
2-7/8	73	5-3/4	146	11-1/8	282.5
3	76	8-1/4	209.5	12	305
3-1/4	82.5	8-5/8	219		

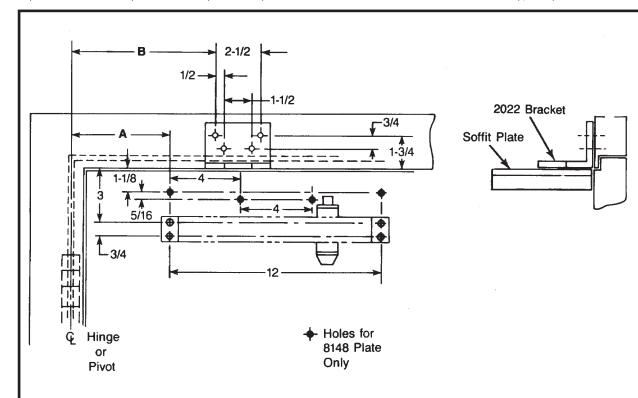
Unitrol® With 2022 Bracket Series UNI-8300, UNI-8301, UNI-8500, UNI-8501 Doors 28" - 32" (0.70-0.80m) Wide Parallel Arm Installation Template
Flush Partitions
Stop Only or Hold Open Unitrol®
Backcheck or Delayed Action Door Closer
With or Without 8148 Drop Plate

RIXSON

ASSA ABLOY

TEMPLATE NUMBER **7380-1354** 

TEV DATE 12/21



Door Opening Angle		Dimensions				
Hold Open	Dead Stop	Butts and Offset Pivots A B		Cente	Pivots	
*	-			Α	В	
85°	90°	7-1/2	12-7/8	8	13-3/8	
90°	95°	6-3/4	12-1/8	7-3/8	12-3/4	
95°	100°	6-1/4	11-5/8	6-3/4	12-1/8	
100°	105°	5-3/4	11-1/8	6-1/4	11-5/8	
105°	110°	5-1/4	10-5/8	5-7/8	11-1/4	
110°	115°	4-7/8	10-1/4	5-1/2	10-7/8	

# **Notes:**

Do not scale drawing.

Left hand door shown.

Dimensions are in inches.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Sex-bolts required for wood or plastic faced fire-door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).

Follow Conversion Chart for metric dimensions.

Preparation for Fasteners						
Fasteners	Application	Door or Frame	Drill Sizes			
Sex nuts and bolts	Closer Drop Plate 2022 Bracket	Hollow Metal	9/32" (7.00mm) through 3/8" (9.50mm) door face opposite to closer			
		Alluminum or Wood	3/8" (9.50mm) through			
Through bolts and grommet nuts	Optional	All	9/32" (7.00mm) through 3/8" (9.50mm) dia. x 3/8" (10mm) deep, door face opposite to closer			



inches	mm.	inches	mm.	inches	mm.
5/16	8	5-1/2	139.5	11-1/8	282.5
1/2	12.5	5-3/4	146	11-1/4	286
3/4	19	5-7/8	149	11-5/8	295.5
1-1/8	28.5	6-1/4	159	12	305
1-1/2	38	6-3/4	171.5	12-1/8	308
1-3/4	44.5	7-3/8	187.5	12-3/4	324
2-1/2	63.5	7-1/2	190.5	12-7/8	327
3	76	8	203	13-3/8	339.5
4	101.5	10-1/4	260.5		
4-7/8	124	10-5/8	270		
5-1/4	133	10-7/8	276		

Unitrol® With 2022 Bracket Series UNI-8300, UNI-8301, UNI-8500, UNI-8501 Doors 33" - 41" (0.85-1.00m) Wide Parallel Arm Installation Template
Flush Partitions
Stop Only or Hold Open Unitrol®
Backcheck or Delayed Action Door Closer
With or Without 8148 Drop Plate

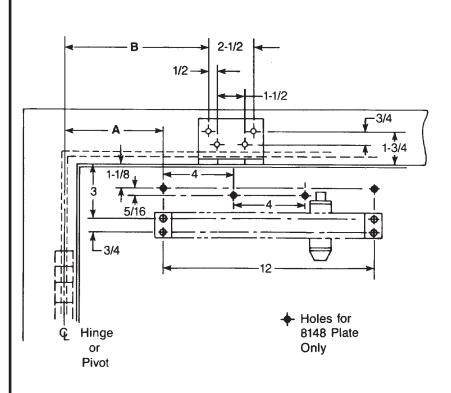
RIXSON

ASSA ABLOY

TEMPLATE NUMBER **7380-1355** 

REV DATE 12/21

<del>Apbroved 2022-02-26</del>

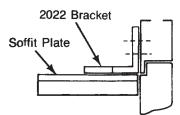


Unitrol® With 2022 Bracket

Series UNI-8300, UNI-8301,

UNI-8500, UNI-8501

Doors 42" - 48" (1.05-1.20m) Wide



Preparation for Fasteners						
Fasteners	Application	Door or Frame	Drill Sizes			
Sex nuts and bolts	Closer Drop Plate 2022 Bracket	Hollow Metal	9/32" (7.00mm) through 3/8" (9.50mm) door face opposite to closer			
		Alluminum or Wood	3/8" (9.50mm) through			
Through bolts and grommet nuts	Optional	All	9/32" (7.00mm) through 3/8" (9.50mm) dia. x 3/8" (10mm) deep, door face opposite to closer			



Door Opening Angle			Dimensions			
Hold Open	Dead Stop	Butts and Offset Pivots		Center	Pivots	
*		Α	В	Α	В	
85°	90°	9-3/4	15-1/4	10-1/8	15-5/8	
90°	95°	8-7/8	14-3/8	9-3/8	14-7/8	
95°	100°	8-1/4	13-3/4	8-5/8	14-1/8	
100°	105°	7-5/8	13-1/8	8-1/8	13-5/8	
105°	110°	7-1/8	12-5/8	7-5/8	13-1/8	
110°	115°	6-3/4	12-1/4	7-1/8	12-5/8	

★ Door must be free to swing 5° beyond hold-open position.

# **Notes:**

Do not scale drawing.

Left hand door shown.

Dimensions are in inches.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Sex-bolts required for wood or plastic faced fire-door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).

Follow Conversion Chart for metric dimensions.

inches	mm.	inches	mm.	inches	mm.
5/16	8	7-5/8	193.5	13-1/8	333.5
1/2	12.5	8-1/8	206.5	13-5/8	346
3/4	19	8-1/4	209.5	13-3/4	349.5
1-1/8	28.5	8-5/8	219	14-1/8	359
1-1/2	38	8-7/8	225.5	14-3/8	365
1-3/4	44.5	9-3/8	238	14-7/8	378
2-1/2	63.5	9-3/4	247.5	15-1/4	387.5
3	76	10-1/8	257	15-5/8	397
4	101.5	12	305		
6-3/4	171.5	12-1/4	311		
7-1/8	181	12-5/8	320.5		

Parallel Arm Installation Template
Flush Partitions
Stop Only or Hold Open Unitrol®
Backcheck or Delayed Action Door Closer
With or Without 8148 Drop Plate

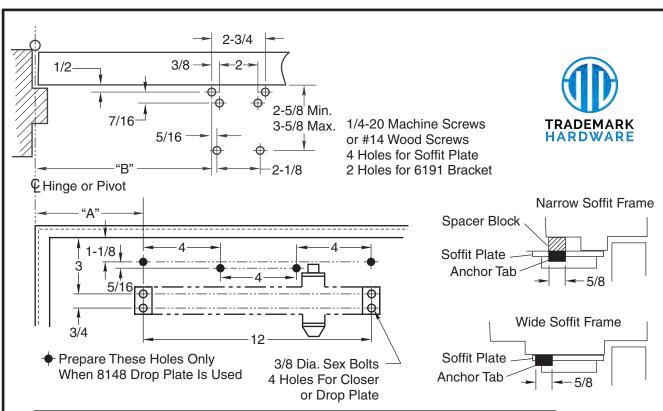
RIXSON

ASSA ABLOY

TEMPLATE NUMBER **7380-1356** 

REV DATE 12/21

<del>kpbroved 2022-02-26</del>



Door Opening Angle			Dimensions			
Hold	Dead	Butts &	Offset Pivots	Cente	r Pivots	
Open*	Stop	Α	В	Α	В	
85°	90°	5-1/8	10-3/8	5-3/4	11	
90°	95°	4-1/2	9-3/4	5-1/8	10-3/8	
95°	100°	4	9-1/4	4-5/8	9-7/8	
100°	105°	3-5/8	8-7/8	4-1/4	9-1/2	
105°	110°	3-1/4	8-1/2	3-7/8	9-1/8	
110°	115°	2-7/8	8-1/8	3-5/8	8-7/8	

Notes:

Do not scale drawing.

Left hand door shown.

Dimensions are in inches.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified. Sex-bolts required for wood or plastic faced fire-door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).

Follow Conversion Chart for metric dimensions.

Preparation for Fasteners						
Fasteners	Application	Door or Frame	Drill-Sizes			
Sex nuts and bolts	Closer Drop Plate	Hollow-Metal	9/32" (7.00 mm.) through; 3/8" (9.50 mm.) on door face opposite to closer			
		Aluminum or Wood	3/8" (9.50 mm.) through			
#14 x 1-1/4" (32mm) type "A" S.M. screw	Soffit plate 6190 Bracket	Wood	3/16" (4.30 mm.)			
1/4" - 20 machine screw		Metal	drill: #7 (0.201" dia.) tap: 1/4" - 20			
Through-bolts and grommet-nuts	Optional	All	9/32" (7.00 mm.) through; 3/8" (9.50 mm.) dia. x 3/8" (9.50 mm.) deep on door face opposite to closer			

inches	mm	inches	mm	inches	mm	inches	mm
5/16	8	2-3/4	70	5-1/8	130	10-3/8	263.5
3/8	9.5	2-7/8	73	5-3/4	146	11	279.5
7/16	11	3	76	8-1/8	206	12	305
1/2	12.7	3-1/4	82.5	8-1/2	216		
5/8	16	3-5/8	92	8-7/8	225.5		
3/4	19	3-7/8	98.5	9-1/8	232		
1-1/8	28.5	4	101.5	9-1/4	235		
2	51	4-1/4	108	9-1/2	241.5		
2-1/8	54	4-1/2	114	9-3/4	247.5		
2-5/8	67	4-5/8	117	9-7/8	251		

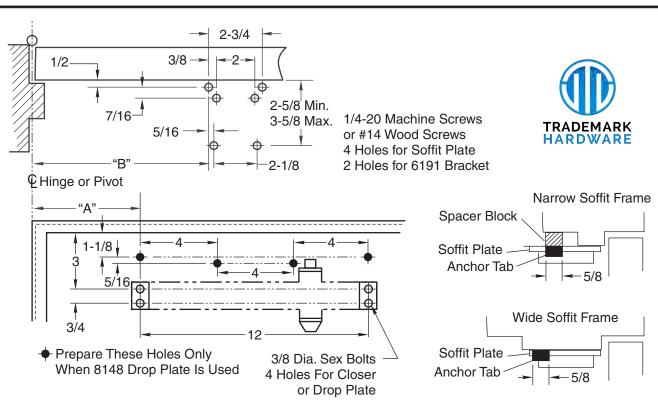
Unitrol<sup>®</sup> With 6191 Reinforcing Kit Series UNI-8300, UNI-8301, UNI-8500, UNI-8501 Doors 28" - 32" (0.70 - 0.80m) Parallel Arm Installation Template Stop Only or Hold Open Unitrol® Backcheck or Delayed Action Door Closer With or Without 8148 Drop Plate RIXSON

ASSA ABLOY

TEMPLATE NUMBER **7380-1357** 

TEV DATE 12/21

<del>Approved 2022-02-20</del>



		T				
Door O An	pening gle	Dimensions				
Hold	Dead	Butts &	Offset Pivots	Cente	r Pivots	
Open*	Stop	Α	В	Α	В	
85°	90°	7-1/2	12-3/4	8-1/8	13-3/8	
90°	95°	6-3/4	12	7-3/8	12-5/8	
95°	100°	6-1/4	11-1/2	6-7/8	12-1/8	
100°	105°	5-3/4	11	6-3/8	11-5/8	
105°	110°	5-1/4	10-1/2	5-7/8	11-1/8	
110°	115°	4-7/8	10-1/8	5-1/2	10-3/4	

Notes:

Do not scale drawing.

Left hand door shown.

Dimensions are in inches.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified. Sex-bolts required for wood or plastic faced fire-door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).

Follow Conversion Chart for metric dimensions.

Preparation for Fasteners				
Fasteners	Application	Door or Frame	Drill-Sizes	
Sex nuts and bolts	Closer Drop Plate	Hollow-Metal	9/32" (7.00 mm.) through; 3/8" (9.50 mm.) on door face opposite to closer	
		Aluminum or Wood	3/8" (9.50 mm.) through	
#14 x 1-1/4" (32mm) type "A" S.M. screw	Soffit plate 6190 Bracket	Wood	3/16" (4.30 mm.)	
1/4" - 20 machine screw		Metal	drill: #7 (0.201" dia.) tap: 1/4" - 20	
Through-bolts and grommet-nuts	Optional	All	9/32" (7.00 mm.) through; 3/8" (9.50 mm.) dia. x 3/8" (9.50 mm.) deep on door face opposite to closer	

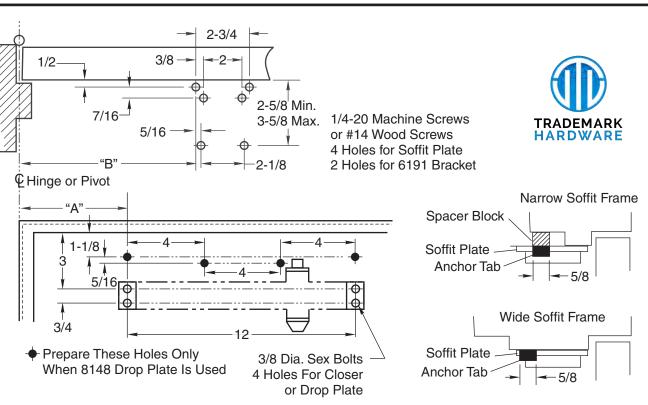
inches	mm	inches	mm	inches	mm	inches	mm
5/16	8	2-3/4	70	6-3/4	171	11-1/2	292
3/8	9.5	3-5/8	92	6-7/8	175	11-5/8	295
7/16	11	4	101.5	7-3/8	187	12	305
1/2	12.7	4-7/8	124	7-1/2	191	12-1/8	308
5/8	16	5-1/4	133	8-1/8	206	12-5/8	321
3/4	19	5-1/2	140	10-1/8	257	12-3/4	324
1-1/8	28.5	5-3/4	146	10-1/2	267	13-3/8	340
2	51	5-7/8	149	10-3/4	273		
2-1/8	54	6-1/4	159	11	279		
2-5/8	67	6-3/8	162	11-1/8	283		

Unitrol® With 6191 Reinforcing Kit Series UNI-8300, UNI-8301, UNI-8500, UNI-8501 Doors 33" - 41" (0.85 - 1.00m) Parallel Arm Installation Template Stop Only or Hold Open Unitrol® Backcheck or Delayed Action Door Closer With or Without 8148 Drop Plate RIXSON

ASSA ABLOY

TEMPLATE NUMBER **7380-1358** 

TEV DATE 12/21



Door O An	pening gle	Dimensions			
Hold	Dead	Butts &	Offset Pivots	Cente	r Pivots
Open*	Stop	Α	В	Α	В
85°	90°	9-3/4	15-1/8	10-1/8	15-1/2
90°	95°	8-7/8	14-1/4	9-3/8	14-3/4
95°	100°	8-1/4	13-5/8	8-5/8	14
100°	105°	7-5/8	13	8-1/8	13-1/2
105°	110°	7-1/8	12-1/2	7-5/8	13
110°	115°	6-3/4	12-1/8	7-1/8	12-1/2

Notes:

Do not scale drawing.

Left hand door shown.

Dimensions are in inches.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified. Sex-bolts required for wood or plastic faced fire-door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).

Follow Conversion Chart for metric dimensions.

Preparation for Fasteners					
Fasteners	Application	Door or Frame	Drill-Sizes		
Sex nuts and bolts	Closer Drop Plate	Hollow-Metal	9/32" (7.00 mm.) through; 3/8" (9.50 mm.) on door face opposite to closer		
		Aluminum or Wood	3/8" (9.50 mm.) through		
#14 x 1-1/4" (32mm) type "A" S.M. screw	Soffit plate 6190 Bracket	Wood	3/16" (4.30 mm.)		
1/4" - 20 machine screw		Metal	drill: #7 (0.201" dia.) tap: 1/4" - 20		
Through-bolts and grommet-nuts	Optional	All	9/32" (7.00 mm.) through; 3/8" (9.50 mm.) dia. x 3/8" (9.50 mm.) deep on door face opposite to closer		

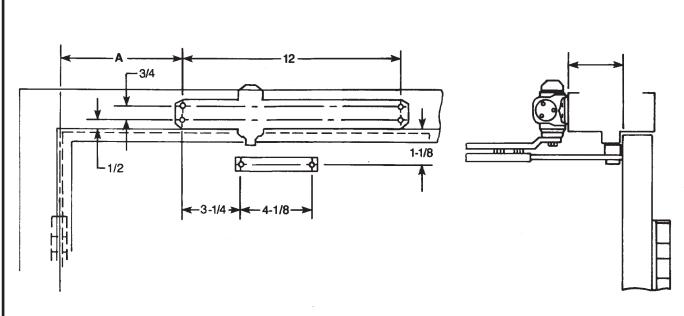
inches	mm	inches	mm	inches	mm	inches	mm
5/16	8	2-3/4	70	8-7/8	225	14-1/4	362
3/8	9.5	3-5/8	92	9-3/8	238	14-3/4	375
7/16	11	4	101.5	10-1/8	257	15-1/8	384
1/2	12.7	6-3/4	171	12	305	15-1/2	394
5/8	16	7-1/8	181	12-1/8	308		
3/4	19	7-5/8	194	12-1/2	318		
1-1/8	28.5	7-3/4	197	13	330		
2	51	8-1/8	206	13-1/2	343		
2-1/8	54	8-1/4	210	13-5/8	346		
2-5/8	67	8-5/8	219	14	356		

Unitrol® With 6191 Reinforcing Kit Series UNI-8300, UNI-8301, UNI-8500, UNI-8501 Doors 42" - 48" (1.05 - 1.20m) Parallel Arm Installation Template Stop Only or Hold Open Unitrol® Backcheck or Delayed Action Door Closer With or Without 8148 Drop Plate RIXSON

ASSA ABLOY

TEMPLATE NUMBER **7380-1359** 

REV DATE 12/21



Door Opening Angle		Dimension "A"	
Hold Open ★	Dead Stop	Butts and Offset Pivots	Center Pivots
85°	90°	10	10-3/8
90°	95°	9-3/8	9-3/4
95°	100°	8-3/4	9-1/4
100°	105°	8-1/4	8-3/4
105°	110°	7-7/8	8-1/4
110°	115°	7-1/2	7-7/8

# **Notes:**

Do not scale drawing.

Left hand door shown.

Dimensions are in inches.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Sex-bolts required for wood or plastic faced fire-door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).

Follow Conversion Chart for metric dimensions.

Fieparation for Fasteriers					
Fasteners	Application	Door or Frame	Drill Sizes		
Sex nuts and bolts	Arm-foot	Hollow Metal	9/32" (7.00mm) through 3/8" (9.50mm) door face opposite to closer		
		Alluminum or Wood	3/8" (9.50mm) through		
#14 x 1-1/4" (32mm) type "A" S.M. screws	Closer	Wood	3/16" (4.30mm)		
1/4-20 machine screw	Ī	Metal	drill: #7 (.201") tap: 1/4-20		
Through bolts and grommet nuts	Optional	All	9/32" (7.00mm) through 3/8" (9.50mm) dia. x 3/8" (10mm) deep, door face opposite to closer		

Preparation for Easteners

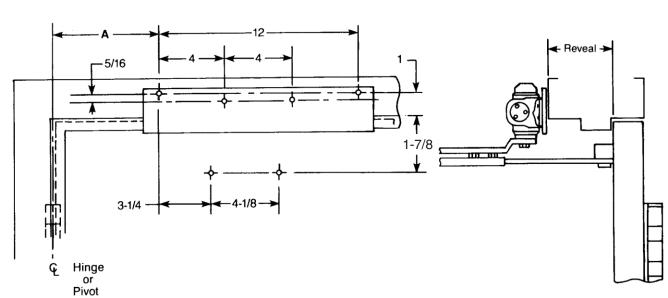


inches	mm.	inches	mm.
1/2	12.5	8-3/4	222.5
3/4	19	9-1/4	235
1-1/8	28.5	9-3/8	238
3-1/4	82.5	9-3/4	247.5
4-1/8	104.5	10	254
7-1/2	190.5	10-3/8	263.5
7-7/8	200	12	305
8-1/4	209.5		

Unitrol® Standard Application Series UNI-J8300, UNI-J8301, UNI-J8500, UNI-J8501 Top Jamb Installation Template Stop Only or Hold Open Unitrol® Backcheck or Delayed Action Door Closer ASSA ABLOY

TEMPLATE NUMBER 7380-1401

REV DATE 12/21



Door Opening Angle		Dimension "A"	
Hold Open ★	Dead Stop	Butts and Offset Pivots Center Pi	
85°	90°	10	10-3/8
90°	95°	9-3/8	9-3/4
95°	100°	8-3/4	9-1/4
100°	105°	8-1/4	8-3/4
105°	110°	7-7/8	8-1/4
110°	115°	7-1/2	7-7/8

### Notes:

Do not scale drawing.

Left hand door shown.

Dimensions are in inches.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Sex-bolts required for wood or plastic faced fire-door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).

Follow Conversion Chart for metric dimensions.

Preparation for Fasteners  Fasteners Application Door or Frame Drill Sizes					
Fasteners	Application	Door or Frame	Drill Sizes		
Sex nuts and bolts	Arm-foot	Hollow Metal	9/32" (7.00mm) through 3/8" (9.50mm) door face opposite to closer		
		Alluminum or Wood	3/8" (9.50mm) through		
#14 x 1-1/4" (32mm) type "A" S.M. screws	Closer	Wood	3/16" (4.30mm)		
1/4-20 machine screw		Metal	drill: #7 (.201") tap: 1/4-20		
Through bolts and grommet nuts	Optional	All	9/32" (7.00mm) through 3/8" (9.50mm) dia. x 3/8" (10mm) deep, door face opposite to closer		

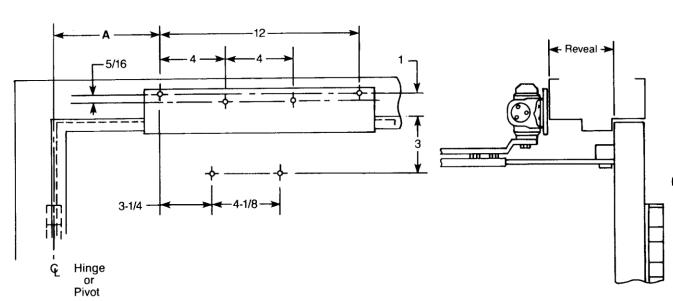


mm.	inches	mm.
8	8-3/4	222.5
25.5	9-1/4	235
38	9-3/8	238
82.5	9-3/4	247.5
101.5	10	254
104.5	10-3/8	263.5
190.5	12	305
200		
209.5		
	8 25.5 38 82.5 101.5 104.5 190.5 200	8 8-3/4 25.5 9-1/4 38 9-3/8 82.5 9-3/4 101.5 10 104.5 10-3/8 190.5 12 200

Unitrol® With 8146 Drop Plate Series UNI-J8300, UNI-J8301, UNI-J8500, UNI-J8501 Top Jamb Installation Template Stop Only or Hold Open Unitrol® Backcheck or Delayed Action Door Closer ASSA ABLOY

TEMPLATE NUMBER **7380-1406** 

REV DATE **12/21** 



Door Opening Angle			
Hold Open ★	Dead Stop	Butts and Offset Pivots	Center Pivots
85°	90°	10	10-3/8
90°	95°	9-3/8	9-3/4
95°	100°	8-3/4	9-1/4
100°	105°	8-1/4	8-3/4
105°	110°	7-7/8	8-1/4
110°	115°	7-1/2	7-7/8

### Notes:

Do not scale drawing.

Left hand door shown.

Dimensions are in inches.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Sex-bolts required for wood or plastic faced firedoor mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).

Follow Conversion Chart for metric dimensions.

Fasteners	Application	tion for Fast	Drill Sizes	
Sex nuts and bolts	Arm-foot	Hollow Metal	9/32" (7.00mm) through 3/8" (9.50mm) door face opposite to closer	
		Alluminum or Wood	3/8" (9.50mm) through	
#14 x 1-1/4" (32mm) type "A" S.M. screws	Closer	Wood	3/16" (4.30mm)	
1/4-20 machine screw		Metal	drill: #7 (.201") tap: 1/4-20	
Through bolts and grommet nuts	Optional	All	9/32" (7.00mm) through 3/8" (9.50mm) dia. x 3/8" (10mm) deep, door face opposite to closer	



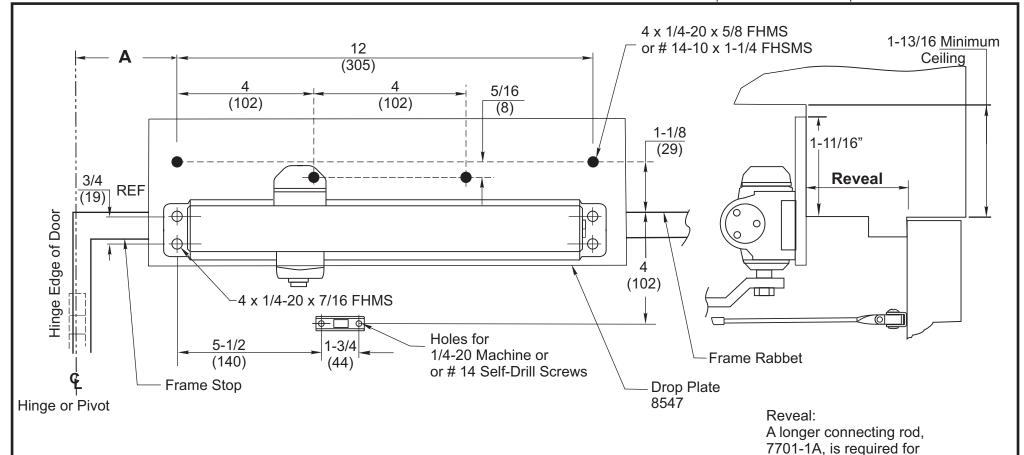
•		
8	8-3/4	222.5
25.5	9-1/4	235
38	9-3/8	238
82.5	9-3/4	247.5
101.5	10	254
104.5	10-3/8	263.5
190.5	12	305
200		
209.5		
	25.5 38 82.5 101.5 104.5 190.5 200	25.5 9-1/4 38 9-3/8 82.5 9-3/4 101.5 10 104.5 10-3/8 190.5 12 200

Unitrol® With 8148 Drop Plate Series UNI-J8300, UNI-J8301, UNI-J8500, UNI-J8501 Top Jamb Installation Template Stop Only or Hold Open Unitrol® Backcheck or Delayed Action Door Closer NORTON RIXSON ASSA ABLOY

ASSA ABLOY

TEMPLATE NUMBER **7380-1408** 

TO DATE 12/21



Preparation for Fasteners			
Fasteners	Door or Frame	Drill Sizes	
Self-Drilling	Aluminum or Metal	No drill required	
Screw	Wood (see Note)	3/16" (4.3mm)	
1/4"-20 machine screw	Metal	Drill #7 (.201" dia) Tap 1/4"-20	

Note:	Wood doors/frames MUST have pilot	
	hole when using Self-Drilling Screws.	

TRADEMARK

Opening	Dimension "A"	
Opening	Inches (mm)	
To 100°	7-1/2 (190.5)	
100° to 130°	6-0 (152.4)	
131° to 180°*	4-1/2 (114.3)	

<sup>\*</sup>Door/Frame/Hardware/Wall conditions permitting.

# Notes:

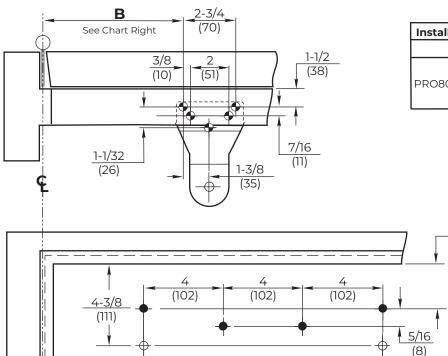
- · Do not scale drawing.
- · Left hand door shown from Push Side.
- · All dimensions are given in inches (mm).
- Thickness recommended for reinforcements in hollow metal doors and frames should provide a combined material thickness of .164" MIN.
- Always use frame or transom rabbet as reference plane, not bottom of stop.

J8501M Series Door Closer Top Jamb Application with 8547 Drop Plate and Metal Cover Norton®
ASSA ABLOY

7380-0158

reveals greater than 3" (76).

REV 1 DATE **02/21** 



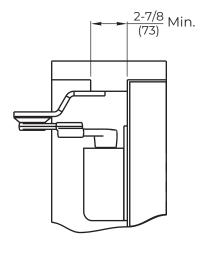
12

(305)

Installation Dimensions Chart			
Dim	Up to 120°	120°- 180°	
in.	3-3/4	1-1/4	
<b>A</b> (mm)	(95)	(32)	
<b>B</b> in.	9-1/2	7	
(mm)	(241)	(178)	
	<b>Dim</b> in. A (mm) B in.	Dim         Up to 120°           in.         3-3/4           A (mm)         (95)           B         in.         9-1/2	

2-1/2

(64)



### **NOTES:**

- Do not scale drawing.
- Left hand door shown.
- Dimensions are in inches (mm).
- Hollow-metal doors require channel or boxtype reinforcement when thru-bolt mount is specified.
- Sex-bolts required for wood or plastic faced fire-door mounting.
- Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).
- For closer installation and adjustments, refer to standard PR installation instruction provided with product.

**CAUTION:** Door swing may be limited by door, frame, wall, or hardware conditions.

> NOTE: Pilot hole MUST be drilled when installing on wood doors/frames.

Preparation for Fasteners			
Fasteners	Door or Frame	Drill-Sizes	
Self-Drilling Screw	Aluminum or Metal	No drill required	
	Wood (see Note)	3/16" (4.30 mm)	
1/4" - 20 machine screw	Metal	Drill: #7 (0.201" dia.) Tap: 1/4" - 20	
Sleeve nuts and bolts	Hollow Metal	9/32" (7 mm) through; 3/8" (9.5 mm) door face opposite to closer	
	Aluminum or Wood	3/8" (9.5 mm) through	

- Prepare These Holes Only When No. 8148/8158/8548 Drop Plate is Used
- + Prepare These Holes When Not Using Drop Plate

See Chart Right

Prepare These Holes For Soffit Plate

TRADEMARK

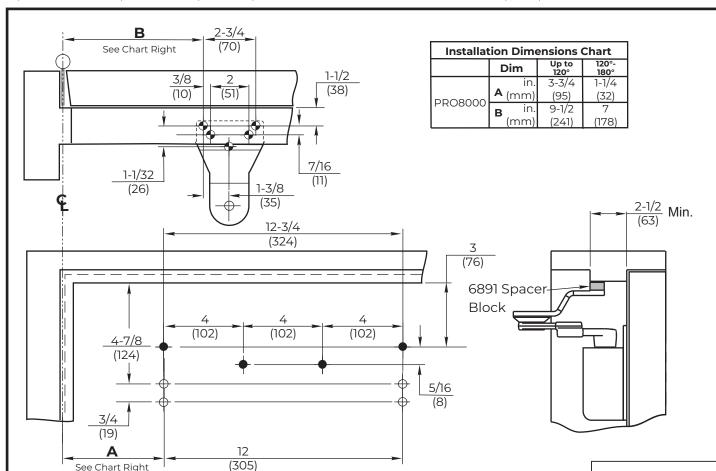
PRO8000 and PRO8000H Series Door Closers With or Without 8148/8158/8548 Drop Plate Parallel Rigid Arm with Offset Soffit Plate for Extra Drop Clearance Non-Hold Open or Hold Open Arm Application

RIXSON **ASSA ABLOY** 

TEMPLATE NUMBER

DATE

80-7380-1413-020 04/23



### **NOTES:**

- Do not scale drawing.
- Left hand door shown.
- Dimensions are in inches (mm).
- Hollow-metal doors require channel or boxtype reinforcement when thru-bolt mount is specified.
- Sex-bolts required for wood or plastic faced fire-door mounting.
- Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).
- For closer installation and adjustments, refer to standard PR installation instruction provided with product.

**CAUTION:** Door swing may be limited by door, frame, wall, or hardware conditions.

NOTE: Pilot hole MUST be drilled when installing on wood doors/frames.

Preparation for Fasteners			
Fasteners	Door or Frame	Drill-Sizes	
Self-Drilling Screw	Aluminum or Metal	No drill required	
_	Wood (see Note)	3/16" (4.30 mm)	
1/4" - 20 machine screw	Metal	Drill: #7 (0.201" dia.) Tap: 1/4" - 20	
Sleeve nuts and bolts	Hollow Metal	9/32" (7 mm) through; 3/8" (9.5 mm) door face opposite to closer	
	Aluminum or Wood	3/8" (9.5 mm) through	

Prepare These Holes Only When No. 8148 Drop Plate is Used

Prepare These Holes When Not

Prepare These Holes When Not Using No. 8148 Drop Plate

Prepare These Holes For Soffit Plate



PRO8000 and PRO8000H Series Door Closers With or Without 8148 / 8548 Drop Plate Parallel Rigid Arm with Offset Soffit Plate for Extra Drop Clearance Non-Hold Open or Hold Open Arm Application

RIXSON

ASSA ABLOY

TEMPLATE NUMBER 80-7380-1414-020 04/23