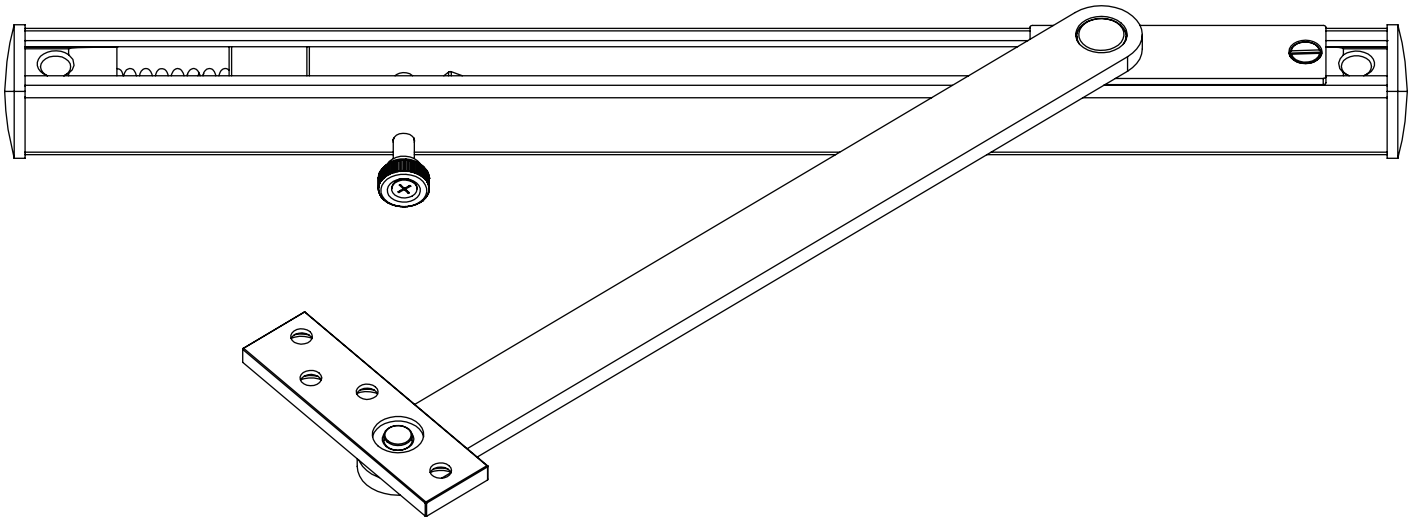


P50 Series

Overhead Stop/Hold Open

Heavy duty | Concealed mount



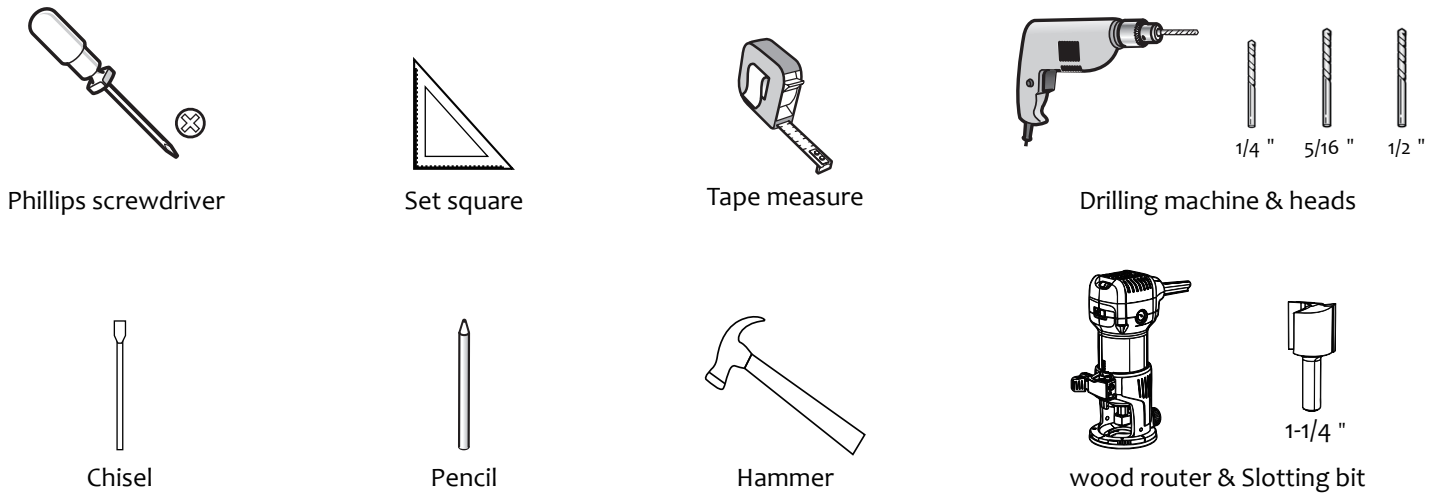
WARNING

Installers should be aware that improper installation may cause product damage and void the factory warranty.

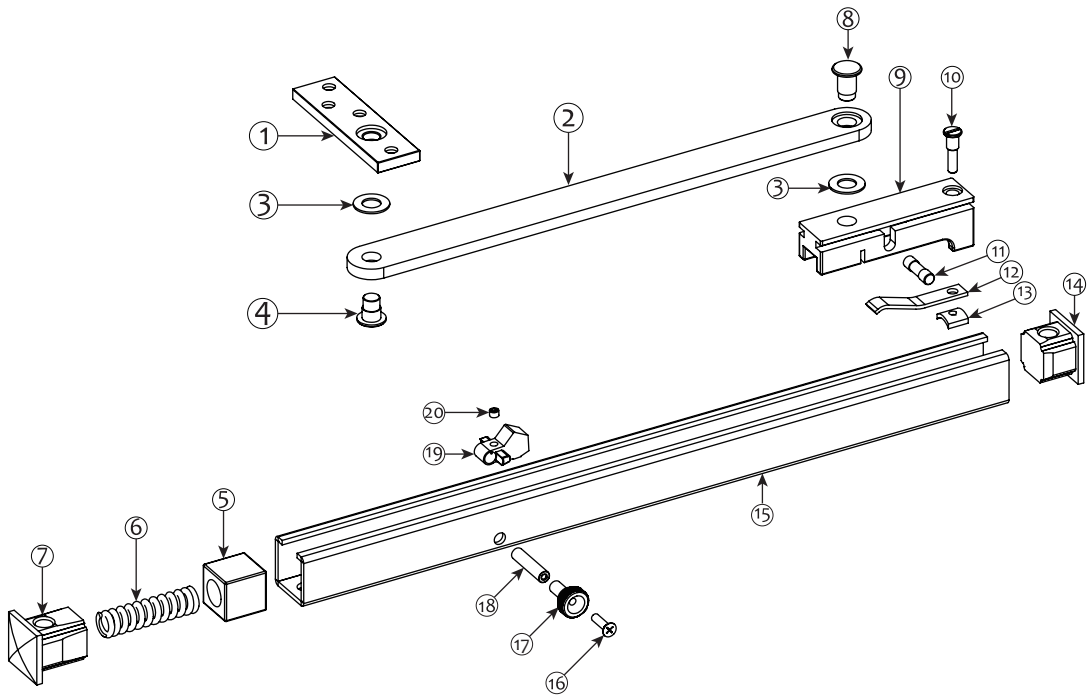
Installation Instructions

P50 Series

1 Tools Required



2 Product Components



No.	Description	No.	Description
1	Jamb bracket	11	Stopping pin
2	Arm	12	Hold open spring
3	Washer	13	Adjusting nut
4	Revit pin A	14	End cap B
5	Shock block	15	Channel
6	Spring	16	PH screw
7	End cap A	17	Release knob
8	Revit pin B	18	Sleeve
9	Cam slider	19	Hold open block
10	Adjusting screw	20	Set screw

P50 Series

3

Installation

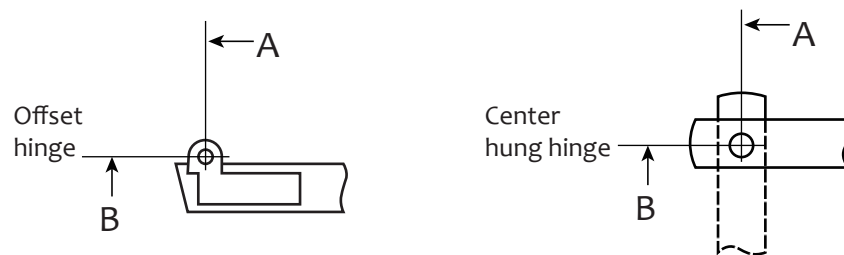
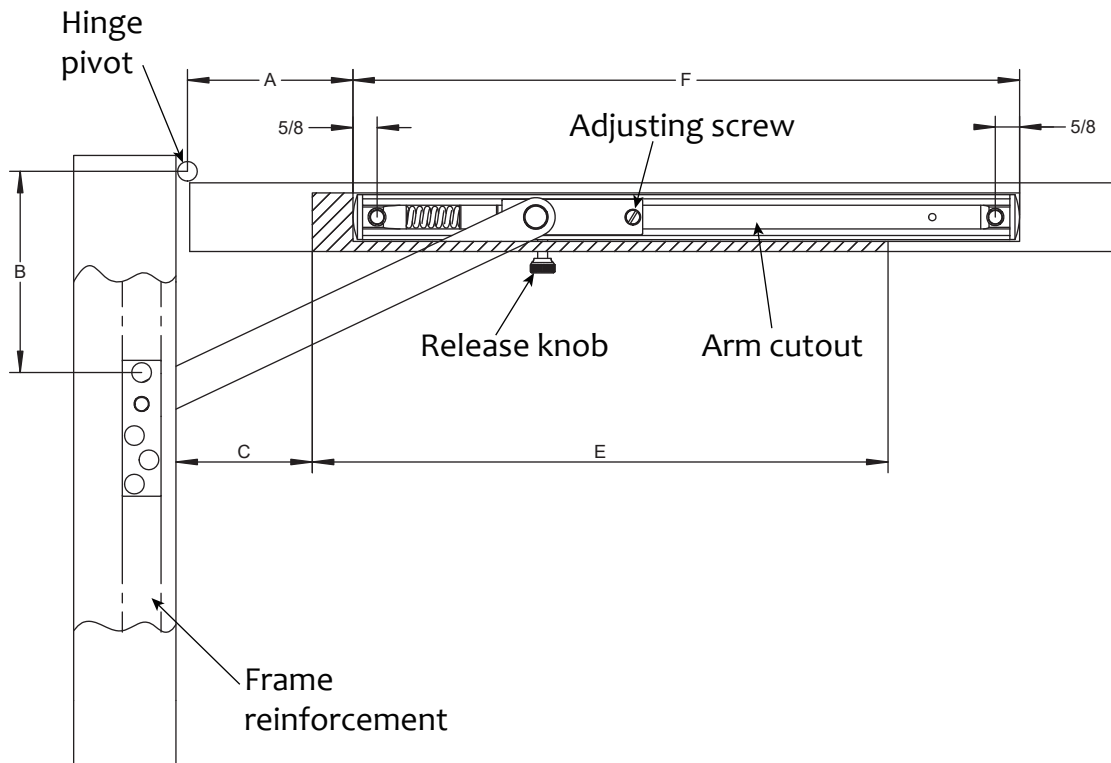


Figure 1 Installation diagram

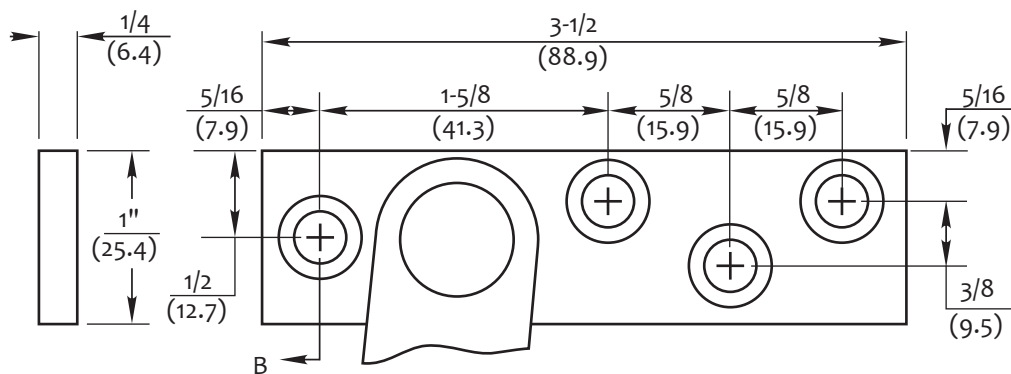


Figure 2 Jamb bracket screw hole dimensions

P50 Series

3

Installation(cont.)

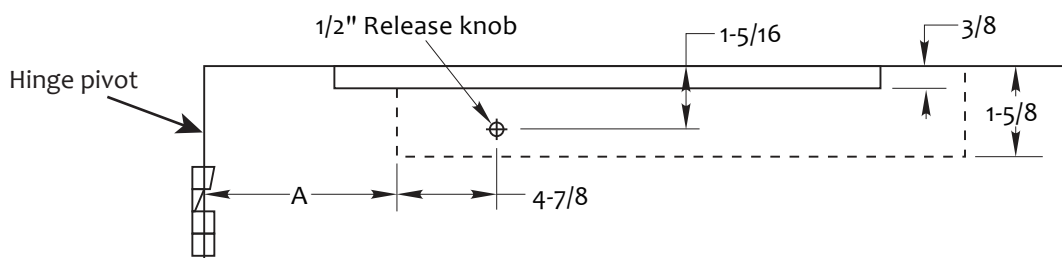


Figure 3 Door top rail mortise and arm clearance cutout

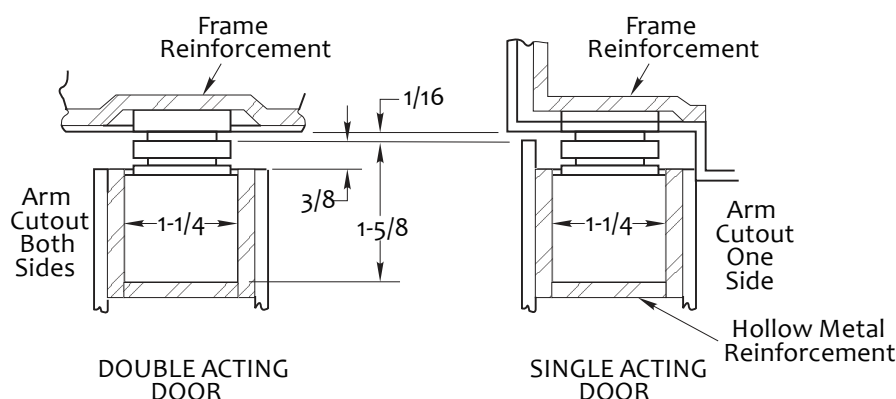


Figure 4 Arm cutout for single and double acting doors

1. Select and mark dimensions

- Select the correct dimensions from Figure 5 for Figure 1, according to the door opening and opening angle.
- Select and mark dimension B on the door frame for jamb bracket. (Figure 1)
- Mark jamb bracket position. (Figure 2)
- Mark dimensions A, F, C, E on the door top.

Note that the dimensions A, B and C are measured from the pivot center of the hinges, not from the door edge.

2. Cutout for jamb bracket

- Mortise 1/4" depth cutout on the door frame for jamb bracket (Figure 2)
- The jamb bracket shall be reinforced with a backer plate not less than 3/16" thick and 12" long. (Figure 4)

3. Mortise for channel

- Chisel a 1-5/8" deep x 1-1/4" wide mortise for the channel according to dimension F. (Figure 1, 3)
- Maintain a 1/16" clearance between the arm and the door frame. Adjust the mortise dimensions as required to achieve proper clearance. (Figure 4)
- Channel shall be properly reinforced during installation as shown. (Figure 4)
- Drill a 1/2" hole for release knob, 4-7/8" from dimension A, and 1-5/16" below the door top edge.

4. Cutout for arm

- Make cutout 3/8" deep on the door top for arm, according to dimension E. (Figure 1, 3)
- Determine whether to provide cutouts on both sides based on single-swing or double-swing door configuration. (Figure 4)

5. Secure the channel and jamb bracket with the screws provided.

P50 Series

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Installation(cont.)

P50 dimension list															
Hinge	Model	Door opening	90°				100°				110°				F
			A	B	C	E	A	B	C	E	A	B	C	E	
$1\frac{3}{4} \sim 2\frac{1}{4}$ door thickness, Butt hinge with $\frac{3}{4}$ offset	P501	24~28	$4\frac{1}{4}$	$5\frac{3}{16}$	$3\frac{1}{4}$	$14\frac{13}{16}$	$3\frac{3}{4}$	$4\frac{9}{16}$	$2\frac{5}{8}$	$14\frac{13}{16}$	$3\frac{3}{8}$	$4\frac{1}{8}$	1	$14\frac{13}{16}$	$17\frac{3}{16}$
	P502	$28\frac{1}{16} \sim 33$	6	$6\frac{3}{16}$	$4\frac{1}{4}$	$16\frac{7}{8}$	$5\frac{3}{8}$	$5\frac{1}{2}$	$3\frac{1}{2}$	$16\frac{7}{8}$	$4\frac{7}{8}$	5	3	$16\frac{7}{8}$	$18\frac{7}{16}$
	P503	$33\frac{1}{16} \sim 38$	$9\frac{1}{2}$	$7\frac{7}{16}$	$5\frac{1}{2}$	$20\frac{9}{16}$	$8\frac{3}{4}$	$6\frac{9}{16}$	$4\frac{5}{8}$	$20\frac{9}{16}$	$8\frac{3}{16}$	6	4	$20\frac{9}{16}$	$19\frac{15}{16}$
	P504	$38\frac{1}{16} \sim 43$	$12\frac{3}{16}$	$9\frac{3}{16}$	$7\frac{1}{4}$	$23\frac{7}{8}$	$11\frac{5}{16}$	$8\frac{3}{16}$	$6\frac{1}{4}$	$23\frac{7}{8}$	$10\frac{5}{8}$	$7\frac{7}{16}$	$5\frac{1}{2}$	$23\frac{7}{8}$	$22\frac{1}{16}$
	P505	$43\frac{1}{16} \sim 48$	$15\frac{11}{16}$	$10\frac{7}{16}$	$8\frac{1}{2}$	$27\frac{5}{8}$	$14\frac{11}{16}$	$9\frac{5}{16}$	$7\frac{3}{8}$	$27\frac{5}{8}$	$13\frac{13}{16}$	$8\frac{1}{2}$	$6\frac{1}{2}$	$27\frac{5}{8}$	$23\frac{9}{16}$
$1\frac{3}{4} \sim 2\frac{1}{4}$ door thickness, Center hung hinge	P501	-----	---	---	---	---	---	---	---	---	---	---	---	---	---
	P502	30~36	$6\frac{1}{4}$	$6\frac{5}{8}$	$4\frac{11}{16}$	$16\frac{7}{8}$	$5\frac{9}{16}$	$5\frac{15}{16}$	4	$16\frac{7}{8}$	---	---	---	---	$18\frac{7}{16}$
	P503	$36\frac{1}{16} \sim 41$	$9\frac{7}{8}$	8	6	$20\frac{9}{16}$	$9\frac{1}{16}$	$7\frac{3}{16}$	$5\frac{1}{4}$	$20\frac{9}{16}$	$8\frac{3}{8}$	$6\frac{1}{2}$	$4\frac{1}{2}$	$20\frac{9}{16}$	$19\frac{15}{16}$
	P504	$41\frac{1}{16} \sim 46$	$12\frac{5}{8}$	$9\frac{5}{8}$	$7\frac{11}{16}$	$23\frac{7}{8}$	$11\frac{5}{8}$	$8\frac{5}{8}$	$6\frac{11}{16}$	$23\frac{7}{8}$	$10\frac{7}{8}$	$7\frac{7}{8}$	$5\frac{15}{16}$	$23\frac{7}{8}$	$22\frac{1}{16}$
	P505	$46\frac{1}{16} \sim 50$	$16\frac{1}{4}$	11	9	$27\frac{5}{8}$	$15\frac{1}{16}$	$9\frac{13}{16}$	$7\frac{7}{8}$	$27\frac{5}{8}$	$14\frac{3}{16}$	$8\frac{15}{16}$	7	$27\frac{5}{8}$	$23\frac{9}{16}$

Figure 5 Installation dimensions

P50 Series

4

Trial Operation

Note: After installation, perform multiple door operation tests (at least 10 cycles recommended):

- a Slowly open the door to the maximum opening angle and verify it reaches the preset stop angle.
- b Check whether cushioning occurs as the door approaches the stop position.
- c Verify that the door holds securely at the preset hold-open angle and releases properly when pulled.
- d Release the door and confirm it returns properly (when used with a door closer).
- e Ensure the Channel and arm operate smoothly without binding, abnormal noise, or vibration.
- f Check whether the arm interferes with the door or frame, adjust the arm cutout if necessary.
- g Turn the release knob counterclockwise 180° to verify that the hold-open function is disengaged. (Figure 6)

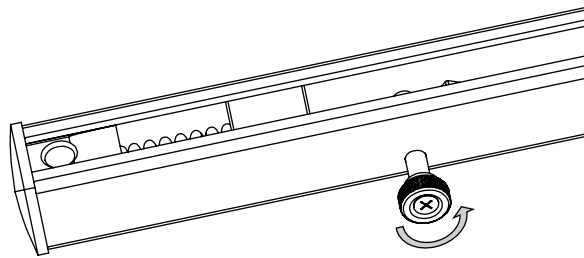


Figure 6