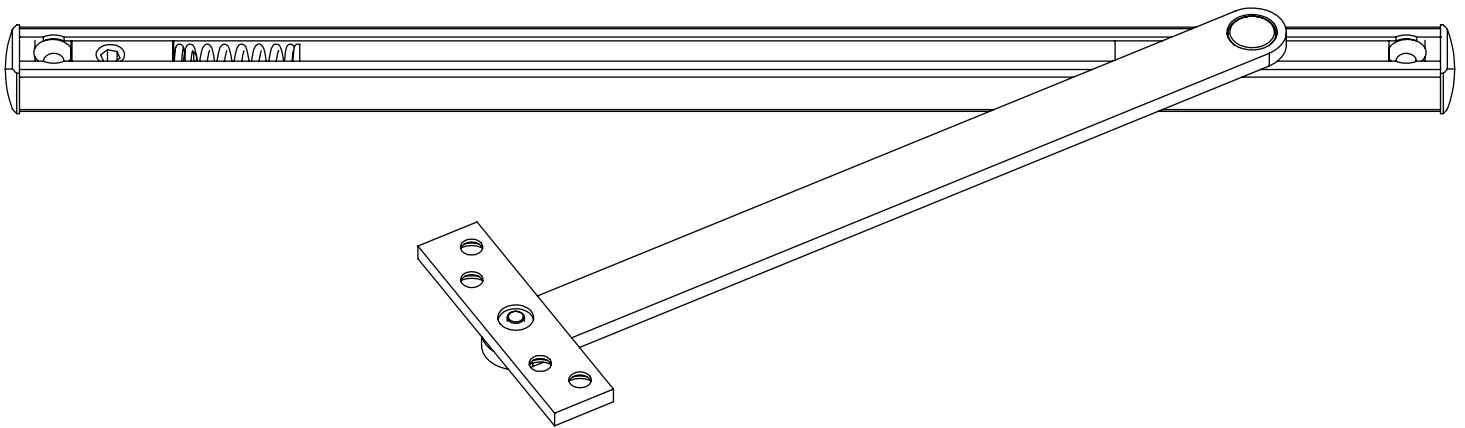


P20 Series

Overhead Stop

Medium duty | Concealed mount



WARNING

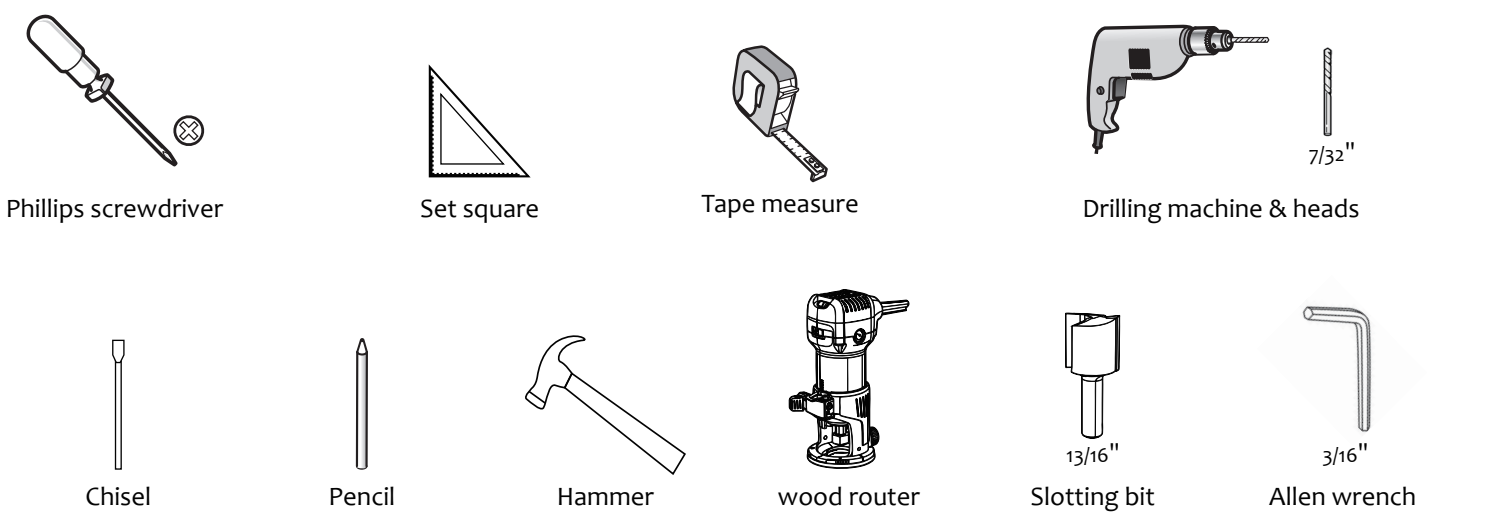
Installers should be aware that improper installation may cause product damage and void the factory warranty.

Installation Instructions

P20 Series

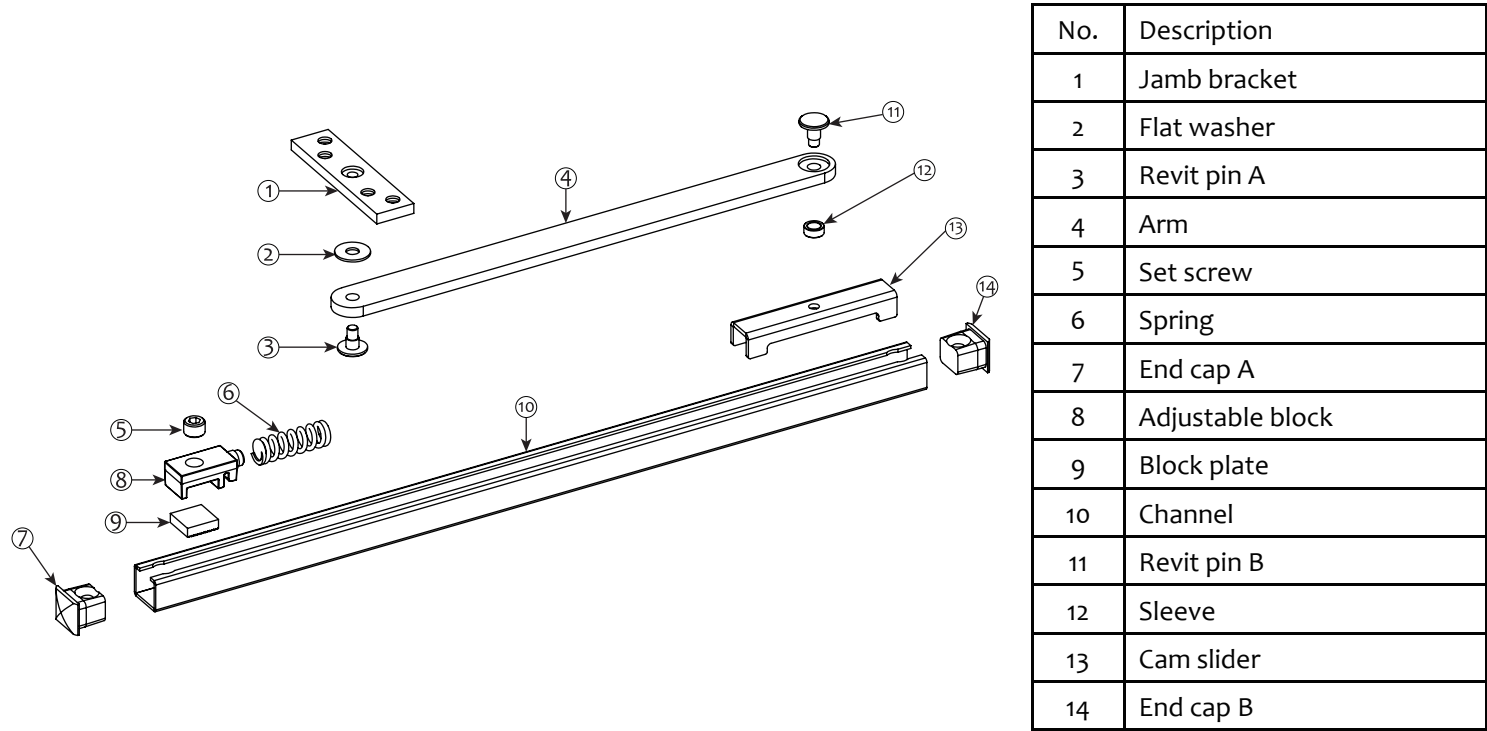
1

Tools Required



2

Product Components



P20 Series

3

Installation

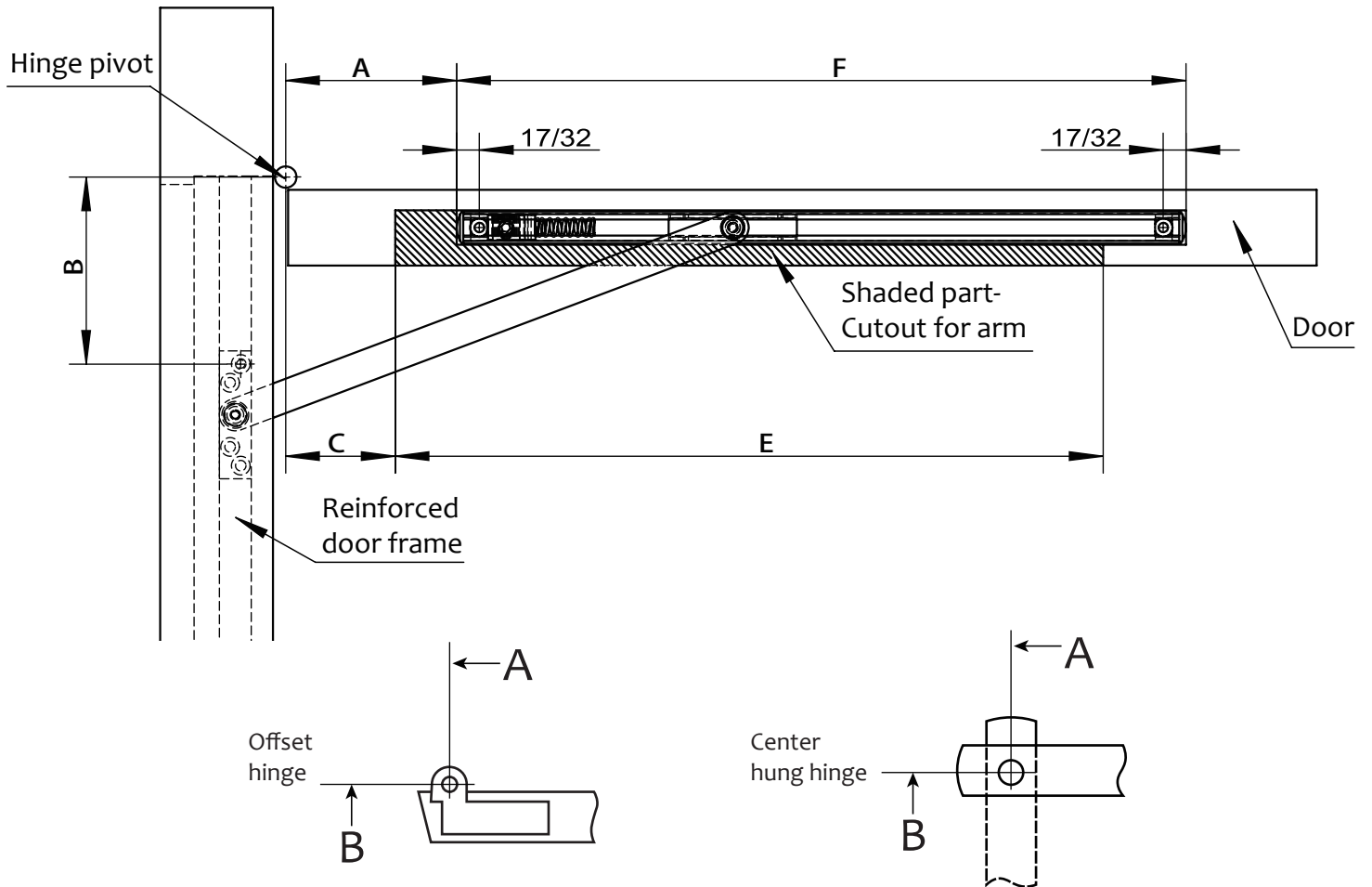


Figure 1 Installation diagram

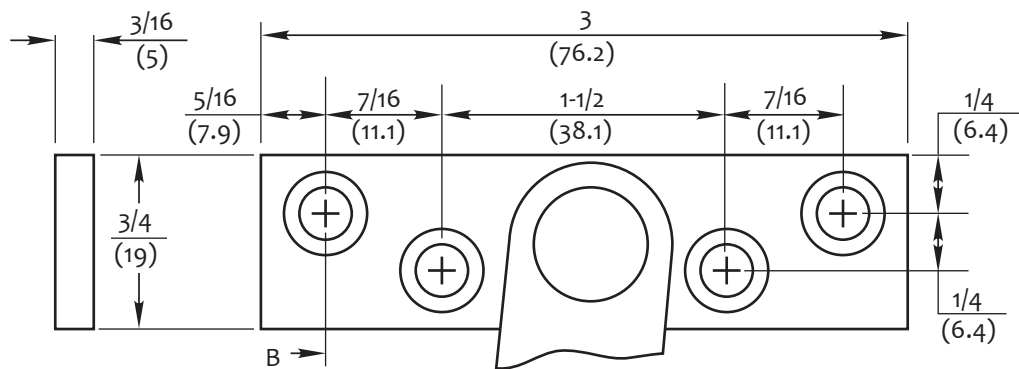


Figure 2 Jamb bracket screw hole dimensions

P20 Series

3

Installation(cont.)

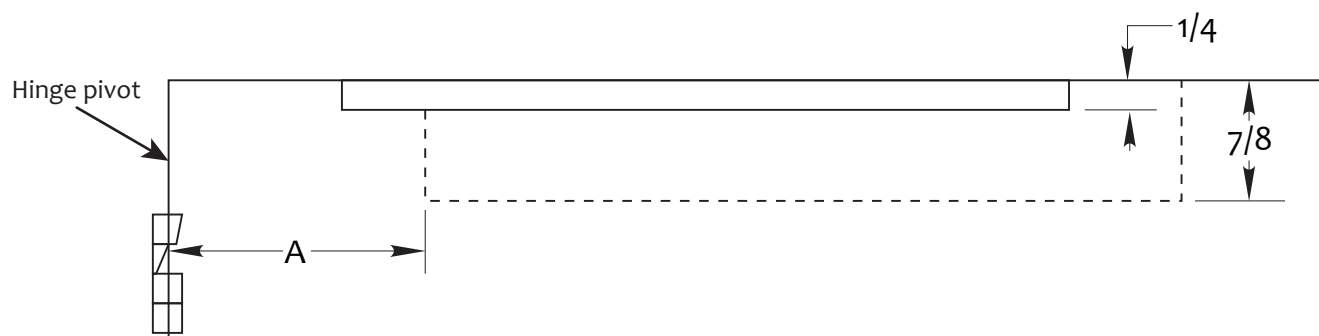


Figure 3 Door top rail mortise and arm clearance cutout

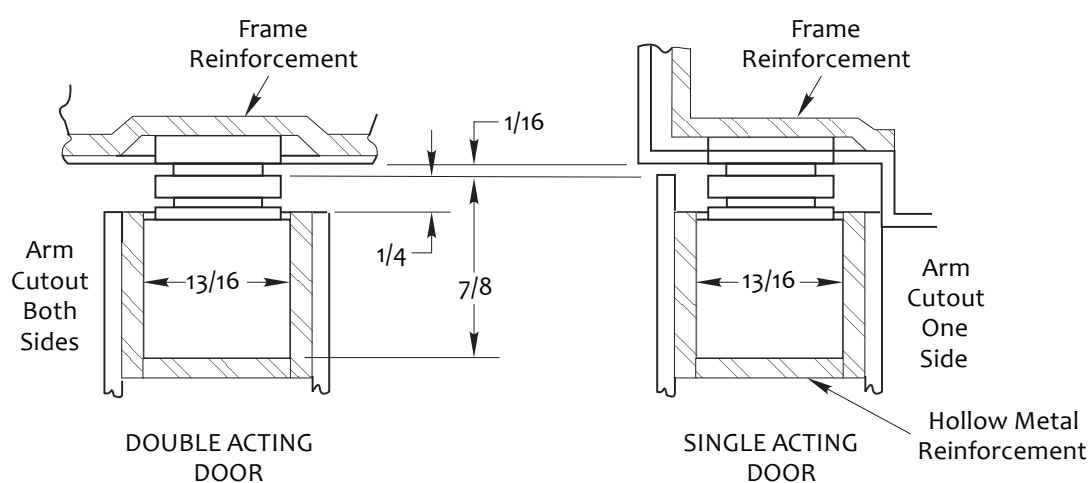


Figure 4 Arm cutout for single and double acting doors

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

- Make 13/16" depth cutout 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 7/8" deep x 3/16" 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)
- The channel should be properly reinforced during installation as shown. (Figure 4)

4. Cutout for arm

- Make cutout 1/4" deep 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.

P20 Series

3

Installation(cont.)

P20 dimension list							
Hinge	Model	Door opening	Dimensions				
			A	B	C	E	F
$1\frac{3}{4} \sim 2\frac{1}{4}$ door thickness, Butt hinge with $\frac{3}{4}$ offset	P201	18 ~ 24	$1\frac{3}{16}$	$3\frac{11}{16}$	0	$15\frac{5}{16}$	$15\frac{7}{8}$
	P202	$24\frac{1}{16} \sim 30$	4	$4\frac{3}{8}$	$2\frac{9}{16}$	$16\frac{9}{16}$	$17\frac{1}{16}$
	P203	$30\frac{1}{16} \sim 36$	$6\frac{3}{4}$	$5\frac{9}{16}$	$4\frac{11}{16}$	19	$18\frac{13}{16}$
	P204	$36\frac{1}{16} \sim 42$	$9\frac{7}{8}$	$7\frac{1}{4}$	$6\frac{3}{8}$	23	$21\frac{1}{4}$
	P205	$42\frac{1}{16} \sim 48$	$13\frac{13}{16}$	$8\frac{1}{2}$	$7\frac{5}{8}$	$27\frac{1}{2}$	$23\frac{1}{16}$
$1\frac{3}{4} \sim 2\frac{1}{4}$ door thickness, Center hung hinge	P201	----	----	----	----	----	----
	P202	27 ~ 32	$5\frac{7}{16}$	$6\frac{1}{8}$	$5\frac{1}{4}$	$15\frac{5}{8}$	$17\frac{1}{16}$
	P203	$32\frac{1}{16} \sim 38\frac{1}{2}$	$7\frac{3}{16}$	6	$5\frac{9}{32}$	19	$18\frac{13}{16}$
	P204	$38\frac{9}{16} \sim 45$	$10\frac{5}{16}$	$7\frac{11}{16}$	$6\frac{13}{16}$	23	$21\frac{1}{4}$
	P205	$45\frac{1}{16} \sim 48$	$14\frac{1}{4}$	$8\frac{15}{16}$	$8\frac{1}{16}$	$27\frac{1}{2}$	$23\frac{1}{16}$

Figure 5 Installation dimensions

4

Adjust door opening angle

- Loose the set screw with a 3/16" allen wrench (Figure 6)
- Open the door to the required angle.
- Slide the adjusting block and spring to touch with the cam slider. (Figure 7)
- Tight the set screw. (Figure 8)

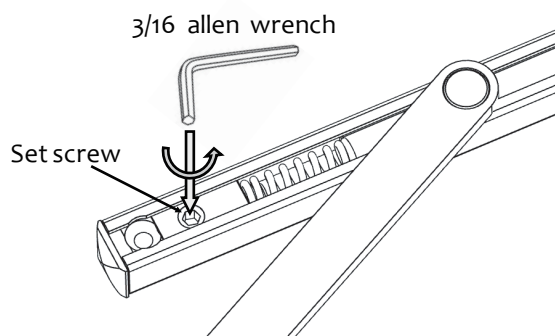


Figure 6

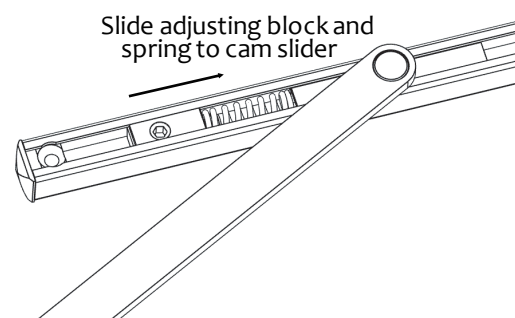


Figure 7

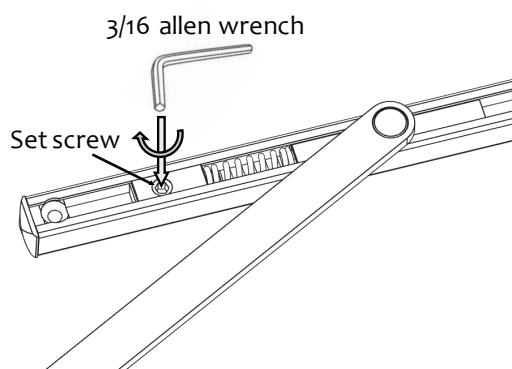


Figure 8

P20 Series

5

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 Release the door and confirm it returns properly (when used with a door closer).
- d Ensure the track and arm operate smoothly without binding, abnormal noise, or vibration.
- e Check whether the arm interferes with the door or frame, adjust the arm cutout if necessary.