

INSTALLATION INSTRUCTIONS OH100 Series

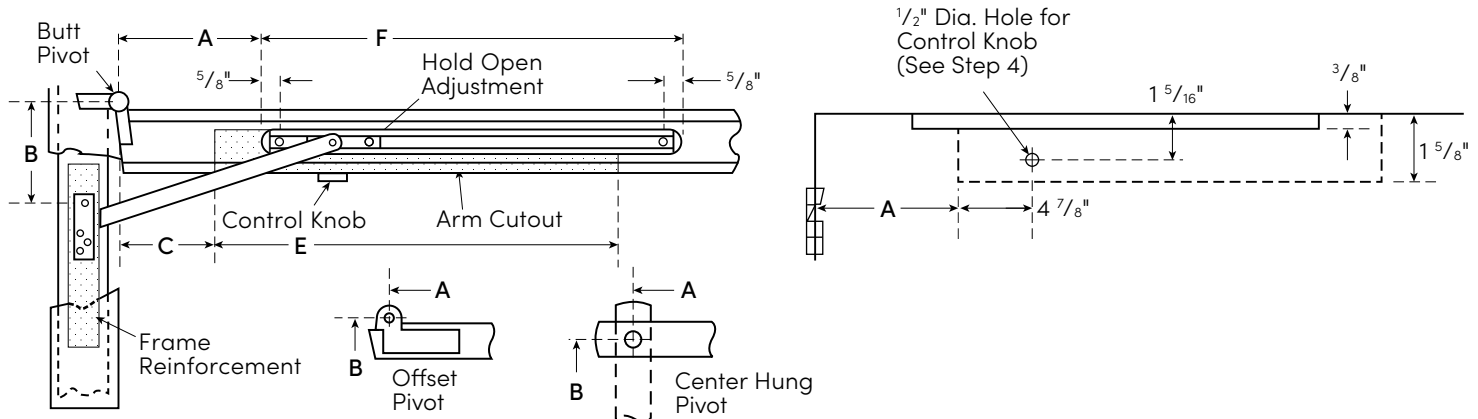
Effective date: January 26, 2023
Supercedes: All Previous

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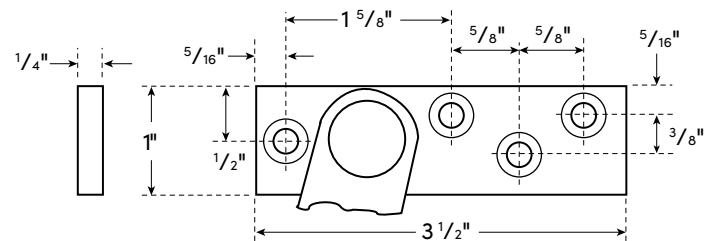
NOT TO SCALE

OH100 SERIES HEAVY DUTY CONCEALED - STOPS AND HOLDERS

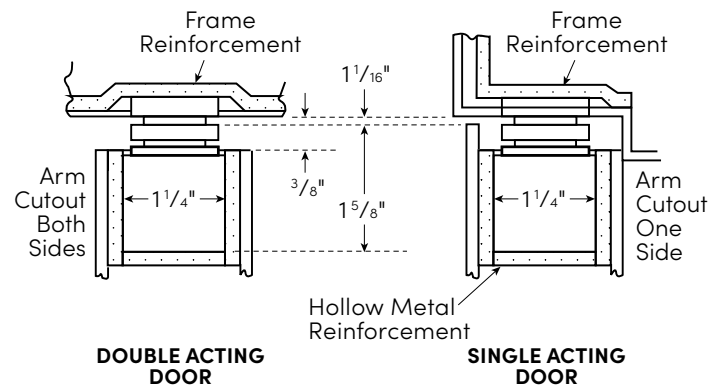


1. Determine degree of hold open or dead stop required. Then select proper dimensions from chart on opposite side of page. Add $\frac{5}{8}$ " to "A" dimension for dead stop.

NOTE: A, B, and C dimensions are measured from hinge center, not edge of door.



2. Locate "B" dimension on frame and mortise $\frac{1}{4}$ " deep for jamb bracket as shown.
3. Locate "A" and "F" dimensions on centerline of door and mortise $1\frac{5}{8}$ " deep for channel. $\frac{1}{16}$ " head clearance shown. Coordinate the arm and rail cutout dimensions if head clearance varies.
4. Drill $\frac{1}{2}$ " diameter control knob hole for door holders only.
5. Locate "C" and "E" dimensions on top of door and mortise $\frac{3}{8}$ " deep as shown for arm cutout.
6. Install door stop or holder with screws provided. Install control knob last.



NOTES:

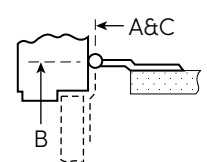
- All hollow metal frames are to be provided with $\frac{3}{16}$ " min. thickness x 12" min. length reinforcement plates.
- All hollow metal doors are to be properly reinforced as shown.
- If dead stop is required add $\frac{5}{8}$ " to "A" dimension as noted on opposite side of page.
- A, B and C dimensions are measured from centerline of pivot, not edge of door.
- Left hand shown, right hand opposite.

FASTENERS:

Jamb: $\frac{1}{4}$ "-20 x $\frac{3}{4}$ " flat head machine screw or #14 x $1\frac{1}{2}$ " flat head wood screw.
Door: $\frac{5}{16}$ "-18 x $1\frac{1}{2}$ " flat head machine screw or #18 x 3" flat head wood screw.



CAUTION: Note location of swing clear hinge centerline to determine "A", "B" and "C" dimensions.



OH100 SERIES HEAVY DUTY CONCEALED - STOPS AND HOLDERS (CONT.)

When using center hung pivots, check pivot manufacturer's compatibility prior to specifying.

No. 1 Series Concealed Door Stops and Holders

1. See other side for installation instructions.
2. Select proper dimensions noted below.
3. Add $\frac{5}{8}$ " to "A" dimension for dead stop.
4. All dimensions given in inches.

1 $\frac{3}{4}$ - 2 $\frac{1}{4}$ Butts & 3 $\frac{1}{4}$ Offset Pivot	Device Number		Degree	85° H.O.				90° H.O.				95° H.O.				100° H.O.				105° H.O.				110° H.O.				
	H.O.	Stop	Door Opening	A	B	C	E	A	B	C	E	A	B	C	E	A	B	C	E	A	B	C	E	A	B	C	E	F
	101H	101S	24 - 28	4 $\frac{7}{16}$	5 $\frac{1}{2}$	4 $\frac{3}{4}$	11 $\frac{7}{8}$	4 $\frac{1}{8}$	5 $\frac{3}{16}$	4 $\frac{1}{2}$	13 $\frac{1}{4}$	3 $\frac{13}{16}$	4 $\frac{7}{8}$	3	14 $\frac{7}{16}$	3 $\frac{1}{2}$	4 $\frac{9}{16}$	1 $\frac{1}{2}$	15 $\frac{5}{8}$	3 $\frac{1}{4}$	4 $\frac{5}{16}$	0	16 $\frac{7}{8}$	3 $\frac{1}{16}$	4 $\frac{1}{8}$	0	16 $\frac{5}{8}$	17 $\frac{3}{16}$
	102H	102S	28 $\frac{1}{16}$ - 33	6 $\frac{3}{16}$	6 $\frac{9}{16}$	6	15 $\frac{3}{4}$	5 $\frac{13}{16}$	6 $\frac{3}{16}$	5 $\frac{1}{2}$	15 $\frac{7}{8}$	5 $\frac{7}{16}$	5 $\frac{13}{16}$	4 $\frac{1}{2}$	16 $\frac{1}{2}$	5 $\frac{1}{8}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$	17 $\frac{3}{16}$	4 $\frac{7}{8}$	5 $\frac{1}{4}$	2 $\frac{1}{4}$	18 $\frac{3}{16}$	4 $\frac{5}{8}$	5	1	19 $\frac{1}{8}$	18 $\frac{7}{16}$
	103H	103S	33 $\frac{1}{16}$ - 38	9 $\frac{3}{4}$	7 $\frac{7}{8}$	7 $\frac{3}{4}$	19 $\frac{1}{16}$	9 $\frac{5}{16}$	7 $\frac{7}{16}$	7 $\frac{1}{4}$	19 $\frac{1}{8}$	8 $\frac{7}{8}$	7	6 $\frac{3}{4}$	19 $\frac{1}{8}$	8 $\frac{7}{16}$	6 $\frac{9}{16}$	6 $\frac{1}{4}$	19 $\frac{1}{4}$	8 $\frac{1}{8}$	6 $\frac{1}{4}$	5 $\frac{1}{2}$	19 $\frac{5}{8}$	7 $\frac{7}{8}$	6	4 $\frac{1}{4}$	20 $\frac{5}{8}$	19 $\frac{15}{16}$
	104H	104S	38 $\frac{1}{16}$ - 43	12 $\frac{11}{16}$	9 $\frac{11}{16}$	9 $\frac{1}{2}$	22 $\frac{3}{8}$	12 $\frac{3}{16}$	9 $\frac{3}{16}$	9	22 $\frac{3}{8}$	11 $\frac{11}{16}$	8 $\frac{11}{16}$	8 $\frac{1}{2}$	22 $\frac{3}{8}$	11 $\frac{3}{16}$	8 $\frac{3}{16}$	8	22 $\frac{3}{8}$	10 $\frac{3}{4}$	7 $\frac{3}{4}$	7 $\frac{1}{2}$	22 $\frac{3}{8}$	10 $\frac{7}{16}$	7 $\frac{7}{16}$	7 $\frac{1}{4}$	22 $\frac{3}{8}$	22 $\frac{1}{16}$
	105H	105S	43 $\frac{1}{16}$ - 48	16 $\frac{5}{16}$	11 $\frac{1}{16}$	10 $\frac{3}{4}$	26 $\frac{1}{4}$	15 $\frac{11}{16}$	10 $\frac{7}{16}$	10 $\frac{1}{4}$	26 $\frac{1}{4}$	15 $\frac{1}{16}$	9 $\frac{13}{16}$	9 $\frac{1}{2}$	26 $\frac{1}{4}$	14 $\frac{9}{16}$	9 $\frac{5}{16}$	9	26 $\frac{1}{4}$	14 $\frac{1}{8}$	8 $\frac{7}{8}$	8 $\frac{3}{4}$	26 $\frac{1}{4}$	13 $\frac{3}{4}$	8 $\frac{1}{2}$	8 $\frac{1}{4}$	26 $\frac{1}{4}$	23 $\frac{9}{16}$

NOTE:

A, B, and C dimensions measured from centerline of pivot, not edge of door.

1⅜ – 2¼ Center Hung	Device Number		Degree	85° H.O.				90° H.O.				95° H.O.				100° H.O.				105° H.O.				110° H.O.				
	H.O.	Stop	Door Opening	A	B	C	E	A	B	C	E	A	B	C	E	A	B	C	E	A	B	C	E	A	B	C	E	F
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	102H	102S	30-36	6⅝	7	6¾	15⅜	6¼	6⅝	6⅜	15⅜	5⅞	6¼	6	15⅜	5⅞	5⅝	5¾	15⅜	5⅝	5⅞	5½	15⅜	-	-	-	19⅞	18⅞
	103H	103S	36⅞ – 41	10⅜	8½	8¼	19⅞	9⅞	8	7¾	19⅞	9⅞	7⅞	7⅜	19⅞	9⅞	7⅜	7	19⅞	8⅞	6⅝	6½	19⅞	8⅜	6½	6¼	19⅞	19⅝
	104H	104S	41⅞ – 46	13¼	10¼	10	22⅜	12⅝	9⅝	9⅜	22⅜	12⅞	9⅞	9	22⅜	11⅝	8⅝	8½	22⅜	11¼	8¼	8	22⅜	10⅞	7⅞	7¾	22⅜	22⅞
	105H	105S	46⅞ – 50	17	11¾	11½	26⅞	16¼	11	10¾	26⅞	15⅞	10⅝	10	26⅞	15⅞	9⅝	9½	26⅞	14⅝	9⅜	9	26⅞	14⅞	8⅝	8¾	26⅞	23⅞

* Butt mounting only. Reversible, non-handed.