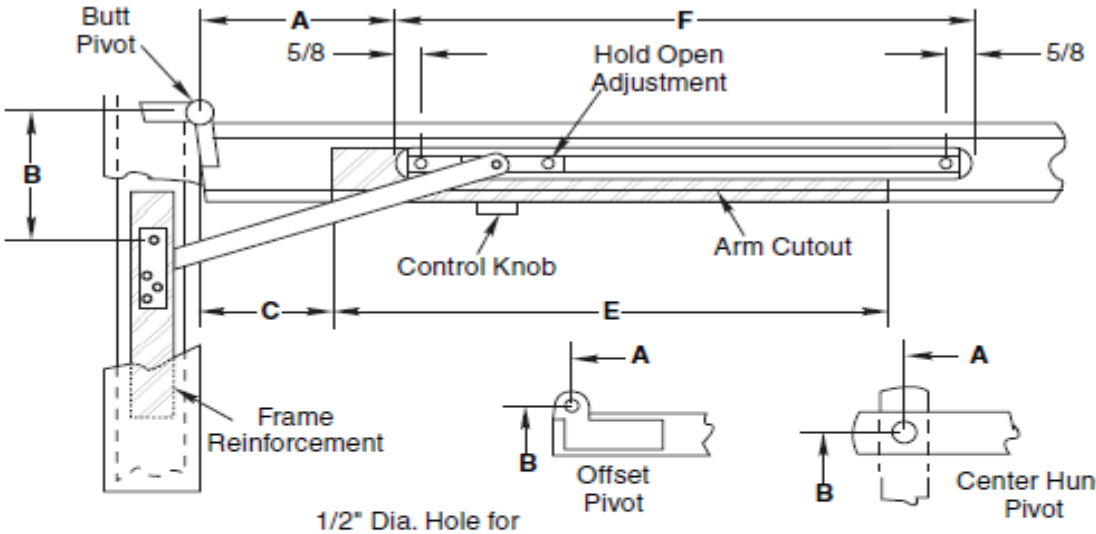
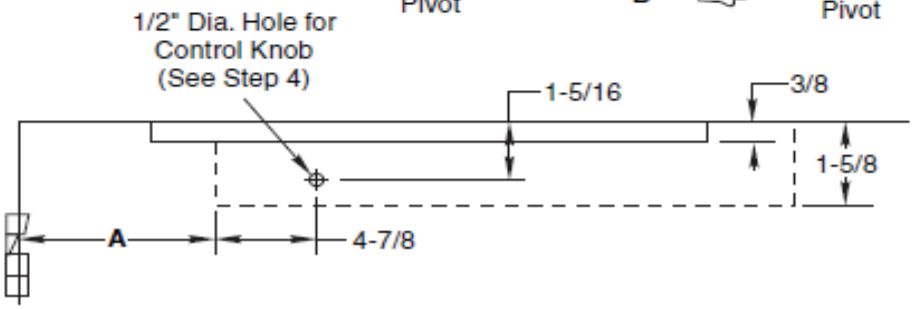
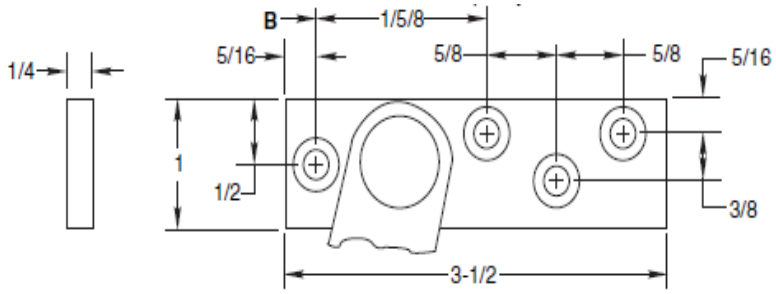
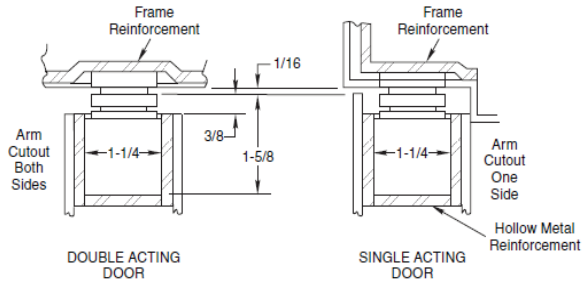
CON880 Series Installation Instructions

(Heavy Duty, Concealed Mount - **HOLD-OPEN***)*









Installation:

1. Select the degree of hold open or dead stop.
2. Select proper dimensions from the chart.
3. Locate "B" dimension on frame and mortise 1/4" deep for jamb bracket as shown.
4. Locate "A" and "F dimensions on centerline of door and mortise 1-5/8" deep for channel. 1/16" head clearance shown. Coordinate the arm and rail cutout dimensions if head clearance varies.
5. Drill 1/2" diameter control knob hole for door holders only.
6. Locate "C" and "E" dimensions on top of door and mortise 3/8" deep as shown for arm cutout.
7. Install door stop or holder with screws provided. Install control knob last.

Notes:

1. All hollow metal frames should be properly reinforced with 3/16 min thickness × 12” min. length reinforcement plates.
2. All hollow metal doors are to be properly reinforced as shown.
3. If dead stop is required add 5/8" to "A" dimension as noted on opposite side of page.
4. A, B and C dimensions are measured from center line of pivot, not edge of door.
5. All dimensions are given in inches.
6. Left hand shown – right hand opposite.

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CON880 Series Dimensions															
Hinge	Model	Door opening	90°H.O.				100°H.O.				110°H.O.				
			A	B	C	E	A	B	C	E	A	B	C	E	F
$1\frac{3}{4}$~$2\frac{1}{4}$ Butts & $\frac{3}{4}$ Offset Pivot	CON882H	24~28	$4\frac{1}{8}$	$5\frac{3}{16}$	$4\frac{1}{2}$	$13\frac{1}{4}$	$3\frac{1}{2}$	$4\frac{9}{16}$	$1\frac{1}{2}$	$15\frac{5}{8}$	$3\frac{1}{16}$	$4\frac{1}{8}$	0	$16\frac{5}{8}$	$17\frac{3}{16}$
	CON883H	$28\frac{1}{16}$~33	$5\frac{13}{16}$	$6\frac{3}{16}$	$5\frac{1}{2}$	$15\frac{7}{8}$	$5\frac{1}{8}$	$5\frac{1}{2}$	$3\frac{1}{2}$	$17\frac{3}{16}$	$4\frac{5}{8}$	5	1	$19\frac{1}{8}$	$18\frac{7}{16}$
	CON884H	$33\frac{1}{16}$~38	$9\frac{5}{16}$	$7\frac{7}{16}$	$7\frac{1}{4}$	$19\frac{1}{8}$	$8\frac{7}{16}$	$6\frac{9}{16}$	$6\frac{1}{4}$	$19\frac{1}{4}$	$7\frac{7}{8}$	6	$4\frac{1}{4}$	$20\frac{5}{8}$	$19\frac{15}{16}$
	CON885H	$38\frac{1}{16}$~43	$12\frac{3}{16}$	$9\frac{3}{16}$	9	$22\frac{3}{8}$	$11\frac{3}{16}$	$8\frac{3}{16}$	8	$22\frac{3}{8}$	$10\frac{7}{16}$	$7\frac{7}{16}$	$7\frac{1}{4}$	$22\frac{3}{8}$	$22\frac{1}{16}$
	CON886H	$43\frac{1}{16}$~48	$15\frac{11}{16}$	$10\frac{7}{16}$	$10\frac{1}{4}$	$26\frac{1}{4}$	$14\frac{9}{16}$	$9\frac{5}{16}$	9	$26\frac{1}{4}$	$13\frac{3}{4}$	$8\frac{1}{2}$	$8\frac{1}{4}$	$26\frac{1}{4}$	$23\frac{9}{16}$
$1\frac{3}{4}$~$2\frac{1}{4}$ Center Hung	CON882H	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	CON883H	30~36	$6\frac{1}{4}$	$6\frac{5}{8}$	$6\frac{3}{8}$	$15\frac{3}{8}$	$5\frac{9}{16}$	$5\frac{15}{16}$	$5\frac{3}{4}$	$15\frac{3}{8}$	---	---	---	$19\frac{1}{8}$	$18\frac{7}{16}$
	CON884H	$36\frac{1}{16}$~41	$9\frac{7}{8}$	8	$7\frac{3}{4}$	$19\frac{1}{8}$	$9\frac{1}{16}$	$7\frac{3}{16}$	7	$19\frac{1}{8}$	$8\frac{3}{8}$	$6\frac{1}{2}$	$6\frac{1}{4}$	$19\frac{1}{8}$	$19\frac{15}{16}$
	CON885H	$41\frac{1}{16}$~46	$12\frac{5}{8}$	$9\frac{5}{8}$	$9\frac{3}{8}$	$22\frac{3}{8}$	$11\frac{5}{8}$	$8\frac{5}{8}$	$8\frac{1}{2}$	$22\frac{3}{8}$	$10\frac{7}{8}$	$7\frac{7}{8}$	$7\frac{3}{4}$	$22\frac{3}{8}$	$22\frac{1}{16}$
	CON886H	$46\frac{1}{16}$~50	$16\frac{1}{4}$	11	$10\frac{3}{4}$	$26\frac{1}{8}$	$15\frac{1}{16}$	$9\frac{13}{16}$	$9\frac{1}{2}$	$26\frac{1}{8}$	$14\frac{3}{16}$	$8\frac{15}{16}$	$8\frac{3}{4}$	$26\frac{1}{8}$	$23\frac{9}{16}$