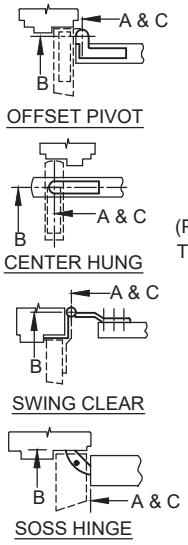
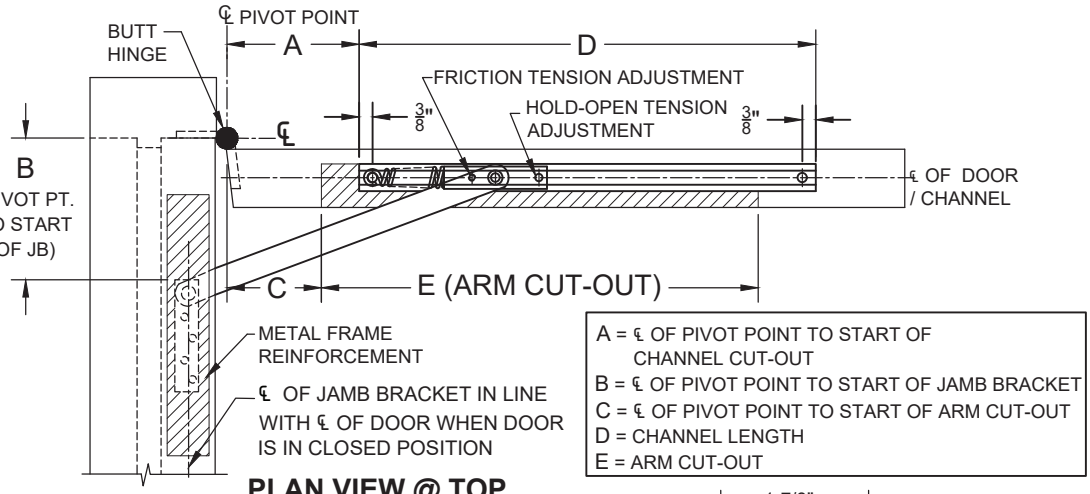
4000 SERIES CONCEALED HOLDERS & STOPS

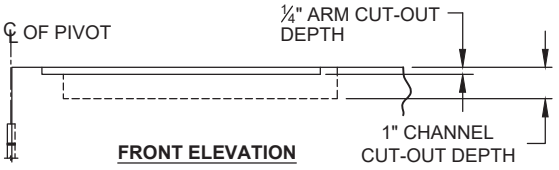
CONCEALED MOUNT, MEDIUM DUTY



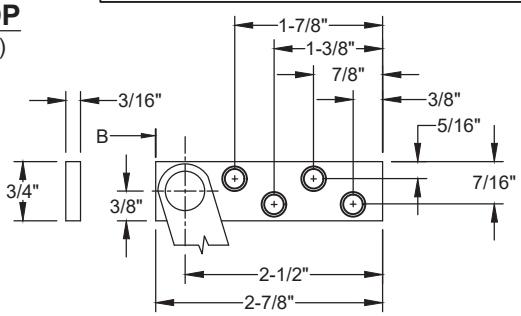


A = ℄ OF PIVOT POINT TO START OF CHANNEL CUT-OUT
B = ℄ OF PIVOT POINT TO START OF JAMB BRACKET
C = ℄ OF PIVOT POINT TO START OF ARM CUT-OUT
D = CHANNEL LENGTH
E = ARM CUT-OUT

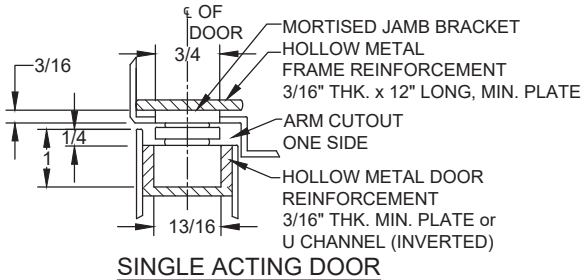
PLAN VIEW @ TOP
(LEFT-HAND SHOWN)



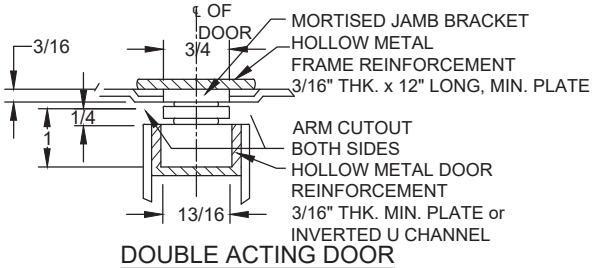
FRONT ELEVATION



JAMB BRACKET

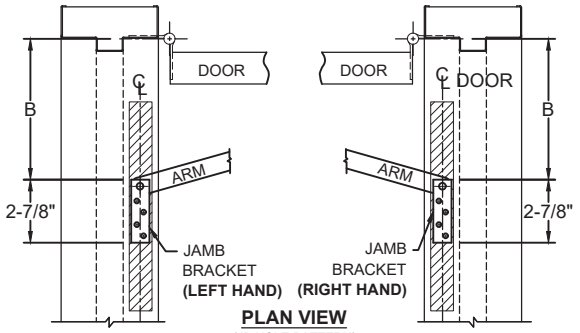


SINGLE ACTING DOOR
SECTION VIEW



DOUBLE ACTING DOOR
SECTION VIEW

SCREW DETAIL			
	QTY	WOOD	METAL
JAMB	4	#10 x 1-1/2" FLAT HEAD WOOD SCREW	10-32 x1/2" FLAT HEAD MACHINE SCREW, UNDER CUT
DOOR	2	#10 x 1-3/4" ROUND HEAD WOOD SCREW	10-32 x1-1/2" TRUSS HEAD MACHINE SCREW



PLAN VIEW
(JB HOLE PATTERN)

NOTES:

1. OH HOLDER UNIT IS REVERSIBLE/ NON-HANDED, INSTALLATION IS HANDED.
2. FOR SINGLE or DOUBLE ACTING DOOR
3. ALWAYS REQUEST LATEST TEMPLATE / DRAWINGS FOR NEW INSTALLATIONS
4. ALL DRILLING & TAPPING TO BE DONE IN FIELD.
5. PROPER SOLID BLOCKING OR REINFORCEMENT PER ANSI/SDI A250 IN WOOD / HOLLOW METAL JAMB & DOOR IS REQ'D FOR MOUNTING SCREWS TO AVOID ANY PULL OUT or DEFORMATION OF SCREWS DUE TO FORCE OVER THE TIME.
6. DO NOT SCALE DRAWING
7. ALL DIMENSIONS ARE IN INCHES, UNLESS NOTED.

4000-1-03.DWG

ARCHITECTURAL BUILDERS HARDWARE
FAMILY-OWNED SINCE 1991 & MADE IN ITASCA, USA.

ABHMFG.COM
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630.875.9900

4000 SERIES CONCEALED HOLDERS & STOPS

CONCEALED MOUNT, MEDIUM DUTY

• 4010 HOLDER • 4020 STOP • 4030 FRICTION

1. FOR DEAD STOP ADD 1/2" TO "A" DIMENSION

2. ALL DIMENSIONS ARE IN INCHES.

• 4011 HOLDER • 4021 STOP • 4031 FRICTION "D" = 12-1/8"

DOOR FRAME OPENINGS 18" TO 23-15/16"

DOOR THICK.	MOUNTING
1-3/4	▲ 4-1/2 x 4-1/2 BUTTS
2 & 2-1/4	▲ 5 x 5 BUTTS ▲ SWING CLEAR

DOOR THICK.	MOUNTING
1-3/8	▲ 3-1/2 x 3-1/2 BUTTS
1-3/4	▲ 4 x 4 BUTTS ▲ SWING CLEAR
2	▲ 4-1/2 x 4-1/2 BUTTS

DOOR THICK.	MOUNTING
1-3/8	3 x 3 BUTTS
1-3/4	SOSS 218
2 & 2-1/4	SOSS 220

DOOR THICK.	MOUNTING
1-3/8	SOSS 216

	A	B	C	E	A	B	C	E	A	B	C	E	A	B	C	E
85° OPENING	3	4-1/16	1	12-1/2	3-1/8	4-5/16	2	11-3/4	3-3/16	4-3/8	2-1/2	11-1/4	3-3/8	4-1/2	3-3/4	10-1/4
90° OPENING	2-11/16	3-13/16	0	13-1/4	2-7/8	4-1/16	1-1/4	12-1/4	2-15/16	4-1/8	1-3/4	11-3/4	3-1/8	4-1/4	3-1/2	10-1/4
95° OPENING	2-7/16	3-9/16	0	13	2-5/8	3-13/16	0	13-1/4	2-3/4	3-15/16	1	12-1/2	3	4-1/8	3	10-1/2
100° OPENING	2-1/4	3-3/8	0	13	2-7/16	3-5/8	0	13	2-9/16	3-3/4	0	13-1/4	2-3/4	3-7/8	2-1/2	11
105° OPENING	2-1/16	3-3/16	0	12-3/4	2-1/4	3-7/16	0	12-3/4	2-3/8	3-9/16	0	13	2-1/2	3-5/8	1/2	12-3/4
110° OPENING	1-15/16	3-1/16	0	12-1/2	2-1/8	3-5/16	0	12-1/2	2-3/16	3-3/8	0	12-3/4	2-3/8	3-1/2	0	13

• 4012 HOLDER • 4022 STOP • 4032 FRICTION "D" = 14"

DOOR FRAME OPENINGS 24" TO 29-15/16"

DOOR THICK.	MOUNTING
1-3/4	▲ 4-1/2 x 4-1/2 BUTTS ▲ 5 x 5 BUTTS ▲ 3/4 OFFSET PIVOTS
2 & 2-1/4	▲ 5 x 5 BUTTS ▲ SWING CLEAR ▲ 3/4 OFFSET PIVOTS

DOOR THICK.	MOUNTING
1-3/8	▲ 3-1/2 x 3-1/2 BUTTS
1-3/4	▲ 4 x 4 BUTTS ▲ SWING CLEAR
2	▲ 4-1/2 x 4-1/2 BUTTS

DOOR THICK.	MOUNTING
1-3/8	3 x 3 BUTTS
1-3/4	SOSS 218
2 & 2-1/4	SOSS 220

DOOR THICK.	MOUNTING
1-3/8	SOSS 216

	A	B	C	E	A	B	C	E	A	B	C	E	A	B	C	E
85° OPENING	7-13/16	5-3/4	5	15-1/4	7-15/16	6	5-1/4	15-1/4	8-1/16	6-1/8	5-1/2	15	8-1/4	6-1/4	5-1/2	15
90° OPENING	7-7/16	5-3/8	4-3/4	15-1/4	7-9/16	5-5/8	5	15	7-11/16	5-3/4	5	15-1/4	7-7/8	5-7/8	5-1/4	15-1/4
95° OPENING	7-1/8	5-1/16	3-3/4	16	7-1/4	5-5/16	4-1/2	15-1/4	7-3/8	5-7/16	4-3/4	15-1/4	7-9/16	5-9/16	4-3/4	15-1/4
100° OPENING	6-13/16	4-3/4	2	17-1/4	6-15/16	5	3-3/4	15-3/4	7-1/16	5-1/8	4-1/2	15	7-1/4	5-1/4	4-1/2	15-1/4
105° OPENING	6-5/8	4-9/16	0	19-1/4	6-11/16	4-3/4	2-1/4	17	6-13/16	4-7/8	3	16-1/4	7	5	4-1/4	15-1/4
110° OPENING	6-3/8	4-5/16	0	19	6-1/2	4-9/16	1/2	18-1/2	6-5/8	4-11/16	2	17-1/4	6-3/4	4-3/4	4	15-1/4

CONTACT FACTORY FOR CENTER HUNG APPLICATION FOR DOORS OPENING LESS THAN 32" WIDE FOR SPECIAL LAYOUT

• 4013 HOLDER • 4023 STOP • 4033 FRICTION "D" = 15-1/8"

DOOR FRAME OPENINGS 30" TO 35-15/16"

DOOR THICK.	MOUNTING
1-3/4	▲ 4-1/2 x 4-1/2 BUTTS ▲ 5 x 5 BUTTS ▲ 3/4 OFFSET PIVOTS
2 & 2-1/4	▲ 5 x 5 BUTTS ▲ SWING CLEAR ▲ 3/4 OFFSET PIVOTS

DOOR THICK.	MOUNTING
1-3/8	▲ 3-1/2 x 3-1/2 BUTTS ▲ 3/4 OFFSET PIVOTS
1-3/4	▲ 4 x 4 BUTTS ▲ SWING CLEAR
2	▲ 4-1/2 x 4-1/2 BUTTS

DOOR THICK.	MOUNTING
1-3/8	3 x 3 BUTTS
1-3/4	SOSS 218
2 & 2-1/4	SOSS 220

DOOR THICK.	MOUNTING
1-3/8	SOSS 216

32" TO 37-15/16"

MOUNTING
CENTER HUNG PIVOTS

	A	B	C	E	A	B	C	E	A	B	C	E	A	B	C	E	A	B	C	E
85° OPENING	10-5/8	6-13/16	6	18-1/4	10-13/16	7-1/16	6-1/4	18-1/4	10-7/8	7-1/8	6-1/2	18	11-1/8	7-5/16	6-1/2	18-1/4	11-3/8	7-5/8	7	18
90° OPENING	10-3/16	6-3/8	5-3/4	18	10-3/8	6-5/8	6	18	10-7/16	6-11/16	6	18	10-11/16	6-7/8	6-1/4	18	10-15/16	7-3/16	6-1/2	18
95° OPENING	9-13/16	6	5-1/4	18-1/4	10	6-1/4	5-1/2	18-1/4	10-1/16	6-5/16	5-1/2	18-1/4	10-5/16	6-1/2	5-3/4	18-1/4	10-1/2	6-3/4	6	18-1/4
100° OPENING	9-1/2	5-11/16	5	18-1/4	9-5/8	5-7/8	5-1/4	18	9-11/16	5-15/16	5-1/4	18	9-15/16	6-1/8	5-1/2	18	10-3/16	6-7/16	5-3/4	18
105° OPENING	9-3/16	5-3/8	3-3/4	19	9-3/8	5-5/8	5	18	9-7/16	5-11/16	5	18	9-5/8	5-13/16	5	18-1/4	—	—	—	—
110° OPENING	9	5-3/16	1-1/2	21-1/4	9-1/8	5-3/8	4	18-3/4	9-3/16	5-7/16	4-3/4	18	9-3/8	5-9/16	4-3/4	18-1/4	—	—	—	—

• 4014 HOLDER • 4024 STOP • 4034 FRICTION "D" = 16-3/4"

DOOR FRAME OPENINGS 36" TO 48"

DOOR THICK.	MOUNTING
1-3/4	▲ 4-1/2 x 4-1/2 BUTTS ▲ 5 x 5 BUTTS ▲ 3/4 OFFSET PIVOTS
2 & 2-1/4	▲ 5 x 5 BUTTS ▲ SWING CLEAR ▲ 3/4 OFFSET PIVOTS

DOOR THICK.	MOUNTING
1-3/8	▲ 3-1/2 x 3-1/2 BUTTS ▲ 3/4 OFFSET PIVOTS
1-3/4	▲ 4 x 4 BUTTS ▲ SWING CLEAR
2	▲ 4-1/2 x 4-1/2 BUTTS

DOOR THICK.	MOUNTING
1-3/8	3 x 3 BUTTS
1-3/4	SOSS 218
2 & 2-1/4	SOSS 220

DOOR THICK.	MOUNTING
1-3/8	SOSS 216

38" TO 48"

MOUNTING
CENTER HUNG PIVOTS

	A	B	C	E	A	B	C	E	A	B	C	E	A	B	C	E	A	B	C	E
85° OPENING	14-15/16	8-3/8	7-3/4	22-1/2	15-1/8	8-1/2	7-3/4	22-3/4	15-5/16	8-11/16	8	22-1/2	15-7/16	8-13/16	8	22-3/4	15-3/4	9-1/8	8-1/2	22-1/2
90° OPENING	14-7/16	7-7/8	7-1/4	22-1/2	14-5/8	8	7-1/4	22-3/4	14-3/4	8-1/8	7-1/2	22-1/2	14-15/16	8-5/16	7-1/2	22-3/4	15-3/16	8-9/16	7-3/4	22-3/4
95° OPENING	13-15/16	7-3/8	6-3/4	22-1/2	14-3/16	7-9/16	6-3/4	22-3/4	14-1/4	7-5/8	7	22-1/2	14-7/16	7-13/16	7	22-3/4	14-11/16	8-1/16	7-1/4	22-3/4
100° OPENING	13-9/16	7	6-1/4	22-1/2	13-3/4	7-1/8	6-1/4	22-1/2	13-7/8	7-1/4	6-1/2	22-3/4	14	7-3/8	6-3/4	22-1/2	14-5/16	7-11/16	7	22-1/2
105° OPENING	13-3/16	6-5/8	6	22-1/2	13-3/8	6-3/4	6	22-3/4	13-1/2	6-7/8	6-1/4	22-1/2	13-5/8	7	6-1/4	22-3/4	13-15/16	7-5/16	6-1/2	22-3/4
110° OPENING	12-15/16	6-3/8	5-1/4	22-1/2	13-1/16	6-7/16	5-1/4	22-3/4	13-3/16	6-9/16	5-3/4	22-3/4	13-5/16	6-11/16	6	22-1/2	13-9/16	6-15/16	6-1/4	22-1/2

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