



Do not scale drawing
Right hand door shown
Dimensions are in inches (mm)

Opening	Dimension "A"	
	inches	mm
To 100°	7-5/8	194
100° to 120°	6-5/8	168
120° to 150°	4-5/8	117
150° to 180°	4-1/8	105

CAUTION: Door swing may be limited by door, frame, wall, or hardware conditions (including closer projection).

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Sex-bolts required for wood or plastic faced fire-door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66) unless otherwise noted.

Bracket	Dimension "B"		Dimension "C"			
	Maximum	Minimum	Maximum	Minimum		
	inches	mm	inches	mm		
291	2	51	1-1/2	38	2-1/4	57
291A	2-3/4	70	1-1/2	38	3	76

Preparation for Fasteners			
	Fasteners	Door or Frame	Drill Sizes
Standard	#14 type "A" S.M. screw Arm: 1-1/4" (32mm) Closer: 2-3/4" (70mm)	Wood	3/16" (4.30mm)
		Aluminum	7/32" (5.50mm)
Optional	1/4-20 machine-screw	Metal	drill: #7 (.201" dia) tap: 1/4-20
	Sex-nuts and bolts	Hollow-Metal Aluminum or Wood	9/32" (7.00mm) through; 3/8" (9.50mm) on door or transom-face opposite to closer 3/8" (9.500mm) through
	Through-bolts and grommet-nuts	All	9/32" (7.00mm) through; 3/8" (9.50mm) dia. x 3/8" (9.500mm) deep on door or transom-face opposite to closer

4400 Series Door Closer
Model 4400 With or Without 486 Backplate
Regular Arm Application With 291 or 291A Bracket, Non-Hold Open

ACCENTRA
ASSA ABLOY

TEMPLATE NUMBER 7344-0103	REV 3	DATE 05/24
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